Ashland, Mass. 29 Sept. 1884.

My dear Mr Deane

You are entirely welcome to my poor signature, & am right enough in desiring the full label. I only warn you of my experience in that direction.

I think I shall have to stick to my identification of Calamagrostis stricta for the Adirondack plant. I have both C. stricta & Pickeringii in my Herb., the former by so good an authority as Dr Boott, & the latter by our first White Mt. botanist, the late Wm Oakes & also from Mr Briggs.

The Adirondack specimen is colored like C. Pickeringii, it is true, but what is of more importance it has the straight awn, the length of the flower, and the hairs about the length of the flower, of C. stricta. C. Pickeringii has an awn somewhat longer & scarcely any hairs, the awn bent in all my specimens — (tho' I notice that Gray under the specific description says it may be straight.)

We will notice it further if we have time, when you come up next Saturday

But you are certainly right about the Souchus. It is S. decaseus, & not S. arvensis as I labelled it. I am glad you called my attention to it.

SHOUT
SHARE
IT

as, in fact, I had not critically examined it, but took it for granted from the locality that it was arvensis. I have arvensis in my Herb. from that region, collected by Oakes. Bring the sight leaf with you & I will notify it.

I will meet you at the mountain on Saturday & you will go with me to my boarding house for dinner.

Am expecting to visit the Botanic Gardens on Wednesday. Have written to Mr Bailey to that effect. Hope to see him.

Very truly yours
Thomas Morong

above it, he looked at his C. stricta and said mine must be C. stricta. He found out the mistake, however, and today, on my visit to him at Ashland, when I showed him the specimens, he said I was all right and he would give me a label to put with the specimens.

Walter Deane.

Cambridge, Mass.

Oct. 4-1884.

To accompany
Rev. Thos. Morong's
letter to me of
Sept. 29-1884.

I was right in my determination of the Calamagrostis given me by Mr. Morong. It was C. Pickeringii. Mr. Morong collected both C. stricta & Pickeringii in the Adirondacks within 6 miles of each other and he gave me C. Pickeringii thinking it was C. stricta. So when I wrote to him

Ashland. Mass. 16 Oct. 1884

Mr W. Deane.

Dear Sir

Your note of Oct. 13 is at hand. In reply I would reiterate what I said to you concerning the sending of my specimens of Boptis occidentalis to Mr Lloyd.

If you will be kind enough to send me Mrs L's full address. I will do the plants up and transmit them to him by mail. I shall be very glad to render him any service in my power.

I suggest this course rather than waiting to bring them down to Cambridge, as I am not

able to visit Cambridge at present.

In reference to visiting you, I need scarcely say that it would give me very great pleasure to come & spend the night with you as you suggest. But that I could not possibly do at this season of the year, as my wife would be left alone in the house with no one to care for the numerous stoves which have to be kept in operation &c &c.

But suppose I should visit Cambridge a week from next Saturday (Oct. 25) - do my work at the Botanic Gardens in the forenoon, & dine with you say at 1 or 2 o'Clock Rise, and return to Ashland that evening, - how would that suit you?

If we could make some arrangement of that sort, it would suit me very well.

Perhaps, too, Mr Bailey might be able on that day to meet me at the Bot. Gardens, & so I could kill 3 birds with one stone!

I would like a little time for selecting some more specimens of Potamogeton for him anyway, & by Oct. 25 I could probably manage to do it.

Very truly yours

Thomas Morong.

Ashland, Mass. Oct. 22. 1884

Shall come down to Camb. as proposed. Saturday, Oct. 25. visit the Bot. Gardens in the morning and spend hour at 1 o'c. Rem. Perhaps leave the Gardens at 1., depending on how much work I have to do there. Hope this arrangement will suit your convenience. If not, please suggest something different

Very cordially
T. W.

POSTAL CARD.

ASHLAND OCT 22 MASS.

U.S. POSTAGE ONE CENT

NOTHING BUT THE ADDRESS CAN BE PLACED ON THIS SIDE.

Mr Walter Leane
No 1 Brewster Place.
Cambridge. Mass.

remain & take the improvement with the feeling of satisfaction that things are no worse.

I enjoyed my visit to Cambridge very much the other day.

Please give my kind regards to Mrs Deane. I hope that's quite well.

Very cordially yours
Thomas Morong

Ashland, Mass. Oct. 30, 1884

My dear Mr Deane

Since returning home, I have examined that Malva from the rubbish heap in Cambridge more narrowly, & as I have no specimens of M. borealis in my herb. with which to compare it, may I ask you to make one or two comparisons for me either with your own specimens or with those of Gray's?

I find that the hairs are stellate (leaves & stem) as in M. rotundifolia. The books make no mention of this in regard to M. borealis. In M. sylvestris & M. moschata the hairs are simple.

In this the bractlets are short & broad, almost like those of M. ro-

tundifolia, but narrower. There may be characteristics of Mr Gouldi. If so I shall like to know it. This plant cannot be M. rotundifolia L. because its carpels are very reticulate rugose, & it is too slender & erect for that species.

I presume it is M. Gouldi, as I thought when comparing it with the specimens of Dr Gray, but I should like to be certified upon these points above mentioned.

I have worked over my Asters until I have, I believe, brought them into accord with Dr Gray's new arrangement. But truly some of his new species are based upon pretty slender foundations.

The A. Tradescanti of the Mss. is now A. viminens. but what is the "A. Tradescanti L. partly" which he has retained? It would puzzle half a dozen Philadelphia lawyers to make it out.

Some of the A. carneus of the Mss are A. paniculatus & some A. salicifolius, as he now has it. But some of the very specimens from Reese which in his Herb. he has placed among salicifolius I have in my coll., & I cannot for the life of me make them out other than paniculatus!

The same is true of quite a number of other species.

Well, on the whole, Gray has much improved the genus, & removed much of the confusion that formerly existed: & so I suppose we must let the inevitable confusion

clumsy job in my hands, and I do not like to engage in it at all. I think, if you are willing, that I must come down some Saturday and learn how to poison specimens in your way. Anything that would save labor would be worth learning. And poison I must, + that right soon, or I shall lose valuable specimens by the ravages of the moth maggot. Oh dear! How I wish them little insect pests would let my Herb. alone! I have a great many poisoned as it is, but 3/4 of my plants are still unpoisoned.

With thanks to you, + kind remembrances to Mrs S.

I am very truly yours

Thomas Meehan.

P.S. The Desfontaina spinosa of my collection is, I think, as marked on the label I sent you, but I cannot be absolutely sure that it is not an Eastern shore. Nich. specimen. but we see it when I come down.

Ashland Nov. 18. 1884

My dear Mr Scaife

Your package reached me last evening, for which I am greatly obliged. Several of the plants are new to my Herbarium, and I am much pleased to get them, while all are acceptable on various accounts.

Of the Baccia gracilis I had only the var. palacea, so the type, as I judge your specimens to be, comes just right.

Schwinitz Moller "Pepper tree". I am glad to get specimens of, as I have it in fruit from Chili, which, I believe, is its original home. The berries, I am informed, are greedily eaten by robins + other birds.

The "Erodium macculatum" I suppose

was so marked by mistake for
E. moschatum. Bot. which species
it seems to be.

Bapia platyptera & Peltis speciosa
are particularly acceptable.

Your niece has certainly done remarkably
well, considering her age & inexperience.
She probably will learn in time to collect
all the parts of a plant, something
which I find young botanists need to be
constantly admonished about. And all
flowers need to be opened & laid out, at
least in accompanying specimens, so that
the interior can be seen without pul-
ling the specimen to pieces. It was a long
time before I learned to do that, but now
I always do it whenever it is possible.
I should make considerable use of
such a relation if I were so fortunate
as to have one in that wonderful land
of flowers.

Please don't say anything about
my gift to you, as you yourself did
all the work of coming after them,
& making your own selection from
what I was on the point of throwing
away. I do not consider my share
in it as amounting to anything:
& if it did, I have been fully
repaid.

One pleasant thing about your
contribution to my stock lies in the
poising of the specimens. I never
before had the good fortune to receive
plants all prepared for mounting.
Indeed, I should be willing to pay
my correspondents handsomely if
they would always take that work
off my hands.

I wonder how you do that work
so easily & neatly. It is a great

Ashland. Mass. Nov. 3. 1884.

My dear Mr Deane

By this mail I return the labels all signed. I have looked up the names corrected. You are right as to the Orchis from Penn. It is O. spectabilis. Linn. not O. lacerata. The Dyscanthemum from Melrose is marked in my Herb. D. lanceolatum. Pursh. So in some way the labels must have become mixed, & you took the wrong one.

Much obliged for the scraps of Malaxis borealis. I am fully satisfied that our Cambridge plant is M. borealis; & it is a much finer specimen than any in Gray's Herb. I hope next year that you may collect it in flower. Under that supposition I am disturbed the plant will come up again; - or you might get a few ripe seeds still, send them to me, & I will ask Miss Wiggins to plant them for us in her garden.

Am also obliged for the Cephalanthus, of which I have not preserved fruit.

Ward has never sent me his Supplement. It has been a long while since I had any correspondence with him.

I should be glad of the California specimens mentioned in your letter. If so

you can spare them or will or not.
Who does not want California plants?
Surely no Eastern botanist.

Am much obliged for your
kind expressions about my visit
the other day. I thought the ad=
vantage was all on my side.

We should be pretty please to see
you at our home in Oakland at
any time. We have recently ob=
tained a maid, & have returned to
our old custom of house keeping a=
gain, so that we can better receive
company.

Please give my respects to Mrs
Deane.

Very cordially yours
Thomas Morong.

Ashland. Mass. 25 Nov. 1884.

I should not wish to come down unless the Herbarium at Botanic Gardens is in use. Can you tell me how that is? Should rather postpone coming till I can use the Herb., as I have a number of plants to identify.

Very truly yrs.

F. Clay

P.S. Yours just rec'd. If the Herb is open on Friday I will come down in the morning & depart home at noon, or as soon as I get through.

POSTAL CARD

NOTHING BUT THE ADDRESS CAN BE PLACED ON THIS SIDE

Mr. Walter Crane

1 Brewster Place

Cambridge. Mass.

if he were to review Violaceae in the style in which he has reviewed the Compositae would make it a species.

I wish my poisoning were as well along as is yours. But with alcohol at 50 cts a pint (the cost here) my Hub. will cost something before I get through with the process. Oh dear! why were insects made to torment botanists?

I am expecting a great treat soon — a package of Pringle's Arizona collection. Congratulate me! Parish Brothers write me that it is very fine. — — I remember the "Mason Bros" who write the letter to Lloyd — once had some exchange with him. He puts up nice specimens himself. But he says nothing in this letter about Hoysradt. It is a Mr "Holmes, Standish, Me" whose specimens are "execrable." Hoysradt's specimens are good enough, but the manners of the man are intolerable.

Ever cordially yours Thomas Morong.

Ashland, Mass. Dec. 12. 1884.

My dear Mr Brace

Yours received last evening. Enclosed is the label which you desire. Schweinitzia is a very interesting little plant of the Monotropa group, very rare, & only lately discovered in Florida by Miss Reynolds. Neither Gray nor Chapman put it further South than N. Carolina. It is very pretty in the fresh state, but as bad as Monotropa when dry, — as you will find of your specimens if you have put them in press.

As to the attachment of the filament to the anther, I think Dr Gray is right. If you will look down upon the top of the anther, you will find that the cells open by two large pores on the top, & that the filament is between them on the back, somewhat like the enclosed figure.

In respect to Viola tricolor and the var. arvensis, both Gray in Mem. & Hooker in Students' Flor. of Gr. Britain note the comparative length of petals & sepals, & generally it is true that in the type the "petals are usually longer than the sepals" & in the var. "shorter or little longer than the calyx". In measuring, however, you must include the auricles of the sepals, & be careful to omit the spur of the corolla.

I have specimens of both type & variety from our own country & both from England, & so far as the books go, it would seem as if there was no difference in this particular between type & var. — Though on careful measurement, there is.

But this is not the prime difference between the type & var. by any means. The var. is generally much more slender than the type — flowers much paler, lower leaves often round & small, instead of oblong.

In England, the var. appears to run into the type, but our American plant is so distinct that some botanists have called it a good species. & even Dr Gray in Mem. you will notice, says that the var. "seems like a native plant." If you were to see it growing, you would feel as I did, that it is in habit a very distinct thing from V. tricolor. Its tallish, slender & delicate appearance & pale flowers are quite marked in growing very unlike the spreading, stocky stems & deep colored flowers of V. tricolor.

Hooker calls it a subspecies, & so should I. Probably Dr Gray if

As to the unnamed Botanogeton of which you speak, I have forgotten. Please tell me sometime what is the locality from which it came, so that I may recall it.

I am thinking of making another visit to the Nat. at Bot. Gardens before long, but I presume you are not to be seen by daylight during the week days, so it would be useless to call upon you.

I cordially return your good wishes for the new year. Should have reciprocated your card in kind, but alas! Ashland is not Boston, & I could find nothing here suitable for the purpose. So you will have to take it in my poor penmanship.

Mrs M. is very well & send our kindest wishes to yourself & Miss Deane. If you have all your friends around Xmas & New Years should be very enjoyable.

Very cordially
Thomas Morong

Ashland. Mass. Jan'y 3. 1885

My dear Mr Deane

Yours of Jan'y 1 at hand. Enclosed I return the labels. Perhaps the change in the name of the Dryas is correct. I know but little about the family, and I am sure that the Manual helps me but little more when I try from that to identify the forms that I have collected. The genus needs revision very much.

I also enclose a small specimen of Miss Reynolds' Schweinitzia, which she had sent me in the dried state before she forwarded the fresh plants.

I was considerably astonished to learn from you, & afterwards from Miss Reynolds herself, that Dr Gray regarded it as a new species. Taking the description in the Manual for a guide, I would declare by any botanist living (who had no authentic specimens of S. odorata in hand for

comparison) to say that it was not Selw. odorata. The only thing I noticed about the plants was that they were non odorous, & so I told Miss R. in acknowledging the receipt of her specimens. This must be one of the specific differences, I suppose. But that would not suffice to make a distinct species, certainly. I presume the description of S. odorata in the Man. & Syn. Flor. is too general, & needs to be modified.

I have no S. odorata, & had been trying for 10 years in vain to get the plant when Miss R. wrote me that she had it. It is confined, I believe, to Middle & Southern Virginia & N. Carolina. If you can get it, you will be more fortunate than I have ever been.

I feel like you in regard to the departure of Mr Bailey, very glad for him, but extremely sorry for myself. It is a great pity that Dr Gray's original plans in regard to him could not have been carried out. He would at Cambridge have proved a very energetic, progressive & useful botanist, with grand opportunities for growth, which he can never obtain Elsewhere. Still, I have no doubt, he will make himself felt wherever he may be. I shall hope to see him before his final departure. I was in hope sometime to have submitted to him my collection of carices, which is very large and need a competent reviser. It is altogether too bulky to send off to Michigan.

No, I have not yet received Bigelow's plants, but am expecting them every day. They must be very fine, I know. as the Botanical Gazette so pronounces (Dec n°.)

You say that you now have all the Alpine plants of the Mountain - You mean White Mt. alpine, I suppose. But have you Dryas integrifolia? If you have, please let me know how to obtain specimens, for have never been able yet to find a botanist who has it. I believe that I have all the others except that

of it before, strange as that may seem; as there are hundreds of species which are similarly unknown to me.

My parcel from Mr Bingle has at last got along, & is indeed a splendid lot of Arizona & Sonora plants. I wish there were duplicates, that I might gratify you with some of the rarest specimens, but there is only a single set.

Mr Orcutt has sent me his list of South. & Baja Cal., but it does not amount to much, not being very full or complete. It seems more intended to advertise his horticultural business than anything else.

Mrs Morong & I both send kind regards to Mrs Beane.

Very truly yours
Thomas Morong

Ashland, Mass. Jan'y 31, 1885

My dear Mr Beane

Your letter of the 23rd inst has remained unanswered awaiting my leisure till I could get through with Mr Patterson, of Illinois, to whose new check list I am contributing the Naiadaceae. As I am through with him, my first thought is of my epistolary obligations, and yours in order.

I am sincerely glad of Mr Bingley's good fortune, & have no doubt that he will prove worthy of his opportunities. We shall all miss him. I was at the Hub the other day — on a Friday, however, so that I could not call on you, & had a pleasant

day in browsing among the Naïadaceæ. In fact, before I got through. Mr Watson put me committed to the task of straightening out the Order in the Herb., & I brought all their papers of Naias home with me. That genus certainly needed rearranging badly, as nearly half their specimens are misnamed, foreign as well as native. I wonder if in other exotics the species of Dr Gray's collections are as badly named? If they are, there is little dependence to be placed on them. For instance, specimens of Vaucheria are named Naias. N. graminea is called N. minor, N. Wrightii N. arguta, N. microdon Caulinia fragilis (which = N. minor) — and lots of things are called N. flexilis which have no relation to that species &c. &c.

All that I suppose, is because there has never been any thorough examination of these genera. Mr Watson & Dr Gray being so busily engaged upon other Orders.

It is a very pleasant work looking up this Order, & will result in clearness, I hope, in a revision.

I am glad that Schweinitzia is settled, tho' I am greatly disappointed in not getting S. odorata. I have had my heart set upon its acquisition for so many years that really it goes quite hard to miss it.

I mean to write to Canby some day, & make another vigorous effort to obtain a specimen.

You are mistaken in supposing that I have Eleocharis Wolfii. Gray. I do not know the species at all, & therefore shall be greatly pleased with any sum for specimen that you can supply. Never can heard

Ashland Ap. 4. 1885

My dear Mr Deane

Yours of yesterday reached me last evening.

I was very glad to hear from you; & can understand the "botanical loneliness" which has fallen upon you in the absence of vegetation and all botanical acquaintances.

Mr Seymour sent me a note a while since, & I have thought of going down there before long. But shall hardly come to it next week. I have been undergoing the uncomfortable experiences of residence removal, & if you know what that is, you will not wonder that I do not feel fit for anywhere. Our household goods are

not yet all set in order, but are in some of the rooms still in confusion. I hope we shall be at rights soon, however.

I shall certainly be delighted to see you at our house any day next week that you could make it convenient to call, & if you will drop me a line the day before will be sure & be at home.

We now live only a little way below Miss Wiggins on the same street.

I am longing greatly to see some signs of Spring, as we have had such a long & hard winter. I hear that the willows have put out catkins, but have not had time to go out & see.

Our kind regards to Miss Deane.

Very cordially yours

Thomas Morong.

Ashland. Mass. 10 april. 1885

My dear Mr Beane

Herewith I return labels as you desire.

I am very glad that you enjoyed your visit here the other day. I am sure that I enjoyed the opportunity of going over the papers with you. You know that I never see a botanist here, and that conversation with one is really a great treat. I am very glad to get off my professional stilts upon the floral meadows & hillsides: so that your visit did me as much good as it did yourself. Be glad to see you at any time.

With kind regards to Mrs B.

I am very truly yours

Thomas Morong.

not? Some time when you meet him, it would be well ask him as to the exact locality, as "Bayne beach" is rather indefinite, being a beach which runs from Revere to Swampscott, & then across to Nahant, certainly covering not less than 10 or 12 linear miles!

I should like to go down after it some time, if I knew the date of flowering, which Gray does not give. Could you look it up in the Herb. some time?

I trust you will see your way clear to visit Lake Champlain with me next vacation, as I hate rambling about alone in strange & out-of-the-way places.

We are all well here.

Regards to Miss G.

Very truly yours
Thomas Morong.

Ashland, Mass. Ap. 16. 1885

My dear Mr Deane

Your letter received. In accordance with your request I have looked up the Utricularia again, and the result is that I cannot fully satisfy myself about that form from Louisiana. What with the difficulty of making out the corolla in dried specimens of this genus, and the rather blind descriptions, and the variation in forms (vid. Dr Gray's last note on Utricularia in Proc. Am. Ac. 20.287) I am puzzled to determine some of the species, & this is one of them. U. fibrosa, which I have genuine from Miller, Bay Island, under the name U. striata Le Conte, is a tall plant (8-10 inches) with large purple corolla, the bladders, as Gray says "wholly or mostly borne along leafless portions of the stem", while the specimens from Bayou Lois are 3 or 4 inches, & some of them with

plenty of mud from which they were drawn, have an abundance of leaves or capillary sheets, with bladders mixed among them. Yet the corolla, especially the spur seems to belong to that sp. I have also specimens from Florida, collected by Dr Palmer, marked & given to me by Mrs Watson himself, marked U. bipartita. Ell? (really U. fibrosa, Dr Gray says in Syn. Fl.) which look exactly like those of Dauphin. On the whole, I am disposed to think that this is a small form of U. fibrosa. Walt., but I do not feel satisfied about the matter. I have looked at the rest of my collection, at the same time, and find reason to doubt of some others, particularly plants sent me by Curtiss as U. biflora, which must, I think, be this same U. striata (or U. fibrosa) & others sent by Runcken, Texas, as U. subulata, which do not correspond with the description at all, having a very short, thick, blunt spur. I shall have to take all my specimens down to Cambridge, & compare them. I think, with the Herb. forms. I imagine, too, from the paper of Dr Gray, above mentioned, that he does not feel perfectly satisfied with the state of the genus.

You will see, if you look at the paper of Dr Gray, that Mrs Owen sends U. subulata. var cleistogama to him from Nantucket. If you visit that "isle of the blest" this summer, as I think you propose to do, I hope you will look up that plant. I really want to see U. subulata vera, having always supposed I had it, & now having reason to doubt it.

Pray, too, remember that "Artemisia Stelleriana. Bess. which Dr Gray says "grows wild in large tufts on Bryon Beach, Mass." Dr Farlow. I think it was, who found it. You know him, do you

I have agreed to go with them; and act as pilot. We should go in June to get Menyanthes, & in July to get Schenchzeria. I almost always find something new when I go there.

Please present my regards to Mrs Deane: but if all that Miss Wiggins attributes to her of repobation of botany be true, I am afraid she will never want me to come there again, nor to see a botanist. If she would go with us on some of our expeditions, she might catch the fever too.

Very cordially yours
Thomas Morong.

Ashland, Mass. June 6 1885.

My dear Mr Deane

I believe that I have not answered your last as to botanical letters. Have had no time to look over my collection, but should be glad to gratify your taste for such documents. If when your school term is through, you can run up here and spend a day with me, I will get out my souvenirs and see what I can do for you in that line. I have piles of letters which I have not examined for a long while.

Is it not about time that Lloyd, of Cincinati, returned the plant I loaned him? How long does it take his artist to sketch the specimen? Not that I am in special want of it,

but I should dislike very much to lose it. I do not want you to say anything about it to him as yet, as probably it is all right, still if he is a forgetful man, or has a great deal to occupy his attention, this may have slipped his mind, and he may need to be "nudged" at some time hereafter.

I wrote as I did about applying to Mrs Owens for the locality of Utricularia subulata v. cleistogama in Nantucket because I thought you were in correspondence with her, and because it is well to have the Exact locality in mind when one is hunting for plants. I have hunted in vain for plants that I knew had been found in certain vicinities, & when I must have been within a few hundred Yards of them. An itinerary saves a great deal of labor and vexation of spirit.

I have planted Datura inermis and Malva borealis from seeds obtained by you last year. The former has made no appearance as yet but the latter has come up well. I hope to get plenty of good specimens from it.

I suppose you are so engaged in school duties that you can give no attention just now to botany. But if when the rush is over, you would like to go upon an expedition you might accompany us to a famous swamp in Natick Mass. where grow a number of interesting things, such as Schenchzeria palustris, Vaccinium Oxycoccus, Gaylussacia dumosa, Menyanthes trifoliata, Potamogeton pulcher, P. Zosterifolius &c. &c. Miss Jones, Miss Wiggins, Mr Houghton & some others wish much to go, and as it is familiar ground to me,

give you all needful recreation. I wish I could get off during this warm weather and breathe the cooler airs of upper Lake Champlain. But us professionals have but little liberty. I now expect to leave home the first week in August.

I wish you would drop me a letter a little while before you go to Nantucket. It is possible that I may have a chance to go down there with you, especially if you do not go till the last of August.

With kind regards to Mrs Keane, and good wishes for the complete restoration of her health,

I am very cordially yours
Thomas Morong

Ashland Mass. July 10. 1885

My dear Mr Keane

I suppose that by the time you receive this, Miss Wiggins will have sent you specimens of Rhododendron maximum collected by our party yesterday at Medfield swamp, and also have told you what a pleasant expedition we had. The only thing we had to regret about it was your absence. Nearly all of our party had been there before, so that it was no novelty to us, but I think that you would have found something of interest. The flowers, however, were in poor condition as compared with their state at our former visit. They were, many of them, only in bud, and none of the trusses were well

filled. I had supposed that I should see you at Medfield or I should have written before this to thank you for the copy of Mr Bailey's little book. It is very pleasantly written, and ought to be very attractive and instructive to beginners in botany. It would be an excellent thing to put into the hands of High School scholars in order to awaken in their minds an interest in floral matters. If I had a young friend not addicted to the study of botany & with leisure & taste for that study, I should like nothing better than to put in his hands this little work.

I am glad you wrote me about Artemisia Stelleriana. I should have otherwise waited till it was all out of bloom before I went for it. I went down to Lynn last Tuesday & collected a quantity of it. It grows in great abundance on the beach just before you reach the high lands of little Nahant. I do not believe that it is at the Point of Pines at all, for I stopped there on my way to Lynn, and rambled all around the hotel outside & inside of the grounds, but saw nothing that looked like it. It is such a peculiar & conspicuous object that a botanical eye would hardly miss it if within sight. I "guess" your father's man saw Artemisia caudata, or something else than A. Stelleriana.

I hear that you start for the mountains next Monday. I hope you will have a good time of it, and that the mountain air will restore Miss Jeanie's health and

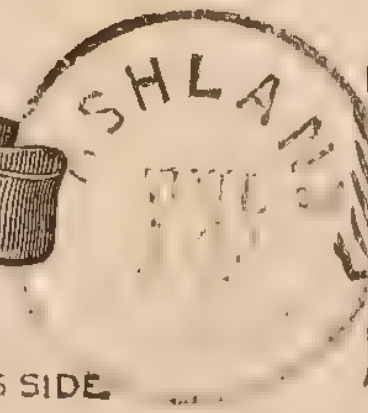
Ashland, Mass. July 14, 1885

Card received yesterday. Perhaps you can find time to run down to the Botanic Garden next Thurs-
day morning & see me, as I am expecting to visit
there on that day. I can here on the 7.40 A.M.
train via Newton.

Shall try & bring you down a few Rhodo-
dendrons if any are left in bloom then.
If you are very busy, don't put yourself out
to come, & it will not be any discourtesy to me.

Very truly yrs. T. M.

POSTAL CARD.



NOTHING BUT THE ADDRESS CAN BE PLACED ON THIS SIDE.

Mr Walter Deane

1 Brewster Place

Cambridge. Mass.

Ashland. Mass. July 17. 1885.

The prickly composite is our old Cnicus benedictus, now Centaurea. Blessed thistle. Better name some of it, if you have none, as it is not common. It grows near the new house building on the ground. The bappa (Cardamus bappa, now) is probably C. bappa, var lanceolatus. Hay. very rare in this country. bears enough on the plant to form flower + fruit. If you gather any. Also Echinospermum lappula. The small blue flower I did not get enough to determine, as I could find no more of it after leaving your house.

What nfuse heap is a wonderful place! The city of Cambridge ought to preserve it for botanical curiosities!

Kind regards to Mrs D. + the best of journies + sojourning to both of you. Very truly — T. M.

POSTAL CARD.

NOTHING BUT THE ADDRESS CAN BE PLACED ON THIS SIDE.

Mr Walter Deane

1 Brewster place

Cambridge. Mass.

Ashland. Mass. Aug. 31. 1885

My dear Mr Deane

Yours of Aug. 28 reached me this morning. It gives me great pleasure to hear from you, & to know that your vacation has proved so enjoyable & profitable (botanically)

The scrap of Potamogeton enclosed in your letter is P. gramineus, L., which is often found without floating leaves. I am surprised that you did not collect P. rufescens in Willoughby lake, as Mr Faxon always obtains it there when he visits that locality.

I should be glad to accompany you to Nantucket if I were able, but the truth is I am just now afflicted with one of those painful things popularly called "Dobie's Comforters," & it utterly incapacitates me from walking, being just below my knee. All I can do is to hobble from here to the Post Office, & hardly that. It gives no signs of getting better for a week to come.

I am just home from my trip to Lake Champlain. Have been all around & over the

81. By the way, the Lappa [illegible] probably be in fruit when you reach home. collect a few specimens for me. When I went there, the flowers were only just opening, and I could only get a few entirely opened. I left enough to give us all fruit. But there will hardly be enough to propagate the plant another year. I am afraid, even if the ground remains unoccupied.

The three Daturas which I transferred to my garden, have grown into large plants, and so has the Nuttalia borealis. The Daturas all proved true as we identified them, though I was in doubt whether we had D. Stramonium. Are there any parts of these, flower or fruit, that you would like? The Nuttalia is now entirely in fruit. The flowers are exceedingly minute, & almost escaped me before I recognized them, appearing only early.

If upon your return from Nantucket you can make a visit up here, we should be glad to see you.

Please give our kind regards to Mrs Deane, who, I trust, is better than when she went away.

Very truly yours

Thomas Morong.

northern end of the lake, as far as Fish-Hawk Point, its outlet. I can say that I had a grand time, & enjoyed every moment of my trip. I think I have "done" the August Flora of that region very thoroughly, aquatic & terrestrial.

Now as I should be glad to get a set of the Willoughby mountain plants for a Southern friend, & a few specs of Betula Neoalaskana in fruit for myself, what do you say to an exchange? Perhaps among things that I have brought home, there may be some-thing that you would like. I have not yet determined the Carices, some of which I propose to send to Bailey for identification, but I can offer you

Astragalus Canadensis. Adlumia cirrhosa.
Equisetum littorale (supposed to be that)
Euphorbia serpyllifolia. Euphorbia Helioscopia.
Nasturtium lacustre. Nuphar luteum.
Nuphar Kalmianum (or N. pumilum)
Nymphaea tuberosa. Polanisia graveolens.
Zanthoxylum Americanum (in fruit)
Scutellaria parvula (in fruit)
Physostegia Virginica. Solidia Kalmii.
Symphoricarpus racemosus. v. pauciflorus (fruit)
Scirpus fluviatilis. Scirpus Torreyi.
Ruppia verticillata. Sagittaria heterophylla.
Eupatorium cannescens. Conyza ivisatisimum.

If you desire any of these, I should be glad to obtain the W. mountain plants for them.

I hope you saved some of that "broad-leaved Naias" of which you speak, as I should like to see it. I do not think that I know any N. flexilis which can be termed broad-leaved, unless you use the term comparatively.

I visited the "Waste Heap" near your house in Cambridge once after you had left in order to obtain specs of that Lappa in flower. That is a wonderful place for out-of-the-way plants. I have now found there Arctium Lappa. v. tomentosum (Lappa tomentosum) Argemone Mexicana. Phacelia glandulosa (or P. congesta. I am not quite sure which) Melandrium dubium. Datura Stramonium. D. Tatula. Echinospermum Lappula, Echium vulgare. Centaurea benedicta & Xeranthemum Canadinicum, some of which are very rare things. I wish it could remain a waste heap for several years to come. There is no knowing what else future research might [illegible]

of our botanists would jump at the chance, as they really are fine specimens, but I care but little for any European plant except those which have transplanted themselves to American soil.

Miss Wiggins wishes me to say that she will be away from home from Saturday, Sept. 12 to Saturday Sept. 19 so that you must regulate your visit here by that fact. But I have so many things for you to look over & select from, that you would not get much chance to see her anyway, unless you came more than once. She wishes to take a botanical excursion with you when you come. I imagine, therefore, that you will have to come twice, or stay up here over night. Her kind regards to Mrs Deane.

Very cordially yours
Thomas Morong.

Ashland. Mass. Sept. 11. 1885.

My dear Mr Deane

Yours of the 9th inst. from Nantucket reached me yesterday. I am glad that you are having such a good time on that Island of sand and whales.

The specs of Potamog. I have examined, & find as follows: the delicate plant from Reed & Mayes Pond is P. hybridus. Mx.: the spec. from the "sphagnum bog" is probably P. natans, the form sometimes called "terrestrial" or "amphibious", because it grows in mud from which the waters have receded, & is in consequence much dwarfed. The third

from the "muddy pond, water a few inch. deep" is, so far as I am able to judge from such scant material, P. Claytonii, Fuckerm. Neat, too, is disrupt by the shallow water, or being in mud.

As to "Spiranthes simplex" I have specimens — rather poor, however, — which I once obtained in Delaware, — so that one or two good specimens would not be unacceptable.

It is so long since I collected in Nantucket that I can hardly remember what I obtained there. I have upon my catalogue, marked as collected there Hypoxylon umbellata, Discopleura capil= Lacea, Peziza striatum & Epilobium hir= sutum, the last coll. by C. E. Faxon, the others by myself. There are a good many other things, but I have forgotten what.

You say that you have found "Viburnum nudum, Mey." You are sure the determination is correct, I suppose. I did not know it was found north of Kentucky. I should be glad to get specimens if it really be that species, — & also the Uvularia sessilifolia, as you know.

Since writing you, I have received a good sized package of plants from England, and should be happy to share them with you, if you are at all inclined to European plants. You would render me a service by taking them where there are duplicates (& there are many of them) as I know not what to do with so many. Heretofore I have put them off on Patterson or somebody else. I [illegible]

Ashland Sept. 14. 1885

Better come on Wednesday, Sept. 16, I think, as I shall then be at liberty. Failing that, come Friday, the 18th in which case, send me a postal. Not hearing, I shall expect you on Wednesday

Very cordially

T. W.

Yes. Take the early train
if you can rise early enough

POSTAL CARD.

NOTHING BUT THE ADDRESS CAN BE PLACED ON THIS SIDE.

Mr Walter Deane

5 Brewster Place

Cambridge. Mass.

was pronounced by Mr Bailey to be B. cristata. Schw. v. viridiflora, Boott. (of Gr. Man.) I have never collected that variety to my knowledge, nor seen it, though often hoping to do so. If you have a spec^n or two to spare of it, please add it to the good things which you have promised me.

I am glad that you enjoyed your visit here, & remember it so pleasantly.

The parcel of plants of above will leave in the same mail with this letter, & will, I trust, reach you safely.

Please give our kind regards to Miss Deane, & tell her that my botanical madness is of old standing and a life-long love, so that she must bear with it patiently as Miss Morong does.

Very cordially
Thomas Morong

Ashland, Mass. 18 Sept. 1885

My dear Mr Deane

Yours reached me this evening as I was preparing a package for you of some things that I found among my duplicates after you left on Saturday last, & for which you had expressed a desire.

The enclosed labels will tell you what they are. The Solidago elliptica is the one I spoke of as given me by Mr Taylor, and examined & identified by her self, — no longer S. elliptica but S. Elliottii.

The Carex praecox you will be interested to know is from the original locality where it was first detected in this country by Mr Oakes. I had but few specs, or I would have sent you more. I afterwards found it in

great abundance around Ruperting Swamp. Lobelia, & suppose I had many species from there, but I have not run across them yet.

Mr C. Lentendeau & C. Mercier & thought possibly you lacked, & if so you would be glad to get them. I saw them in making up my package to Mr Bailey.

You will find upon the backs of the labels numbers corresponding to the numbers on the tags in the parcel.

I am delighted to hear that you have secured specimens of Botrychiums for me. I hope you will be able to obtain ripe fruit. What a place that "Waste Heap" is!!! We shall get Bananas & Palms there yet! and if there were any water in it, I should expect to find Victoria Regia.—

Argemone Mexicana & allissum approaches. I think, no nearer than Louisiana. What ship brought it to Cambridge?

I hope you will succeed in finding Aster Herveyi, as it has been for some years practically extirpated in its original locality, New Bedford. I suppose more than 50 botanists have written to Mr Harvey for it, but he used it all up long ago, and, of late, I believe has never even answered the communications respecting it. Please remember, if successful, that it is looking in my own Herb.

There is another thing also that I should venture to ask you for. If I remember rightly you told me that one of your species of Carex collected in Maine this year, [New Hampshire?]

his anyway; & besides that, I think that I was ahead of him in the morning.

Upon receiving your last note in which you told me of Prof. Rau's inquiries as to my Nuphar proceedings, I wrote him a letter, telling him something about my action. Do you understand that he is himself working up the matter? If he is, & has the materials for settling all the doubts, I will resign the work to him, as it is not a job that I covet. It is of no use for two men to be working in opposition, or spending their energies separately upon the same job, when so much more could be accomplished by their working harmoniously. I am willing to hand over my materials & my conclusions to him, or be silent myself. All I want now is authentic specimens of the Nuphars from Europe, & I am expecting them from two European correspondents. With them in hand I could settle the question right off.

Very cordially yours
Thomas Morong.

Ashland. Mass. Sept. 22. 1885

My dear Mr Deane

Yours of the 20th inst.

reached me this morning.

I am extremely sorry for the misfortune that occurred to my parcel in running the gauntlet of Uncle Sam's mails, but that will happen sometimes in spite of the utmost care. I had but two duplicate lots of Mr Faxon's specimens of Bot. Elliottii, both of them very fine, one of which I had reserved for my English correspondent, & the other I sent to you. Strict, you have needed it so deeply, that it is probably just as well.

I am also sorry that you had no better success in finding Aster Herveyi. I had hoped that the chasm of long standing in my Herb. was about to be filled up.

I hope you will be more successful

in obtaining Solidago virgaurea. I have never seen that from Mass., but have a spec^m from Oneyville, R. I.

Carex Lagopodioidea, v. monilifformis. Olney, is a form which I have not seen, unless one of those which I have sent to Bailey should prove to be it. I sent him upwards of 50 different things upon which to get his opinion, and hope that Mueller Dean has not treated that parcel as he did yours.

The Willoughby plants that I asked you to send are intended for my Scottish friend Moseley, and if you put me up a set right along as they go, it will probably be all I want. I have asked you separately for the plants I wish myself, e.g. Primula Mistassinica, Gmel. Carex cristata v. microlepis, Carex lagopodioidea v. monilifformis: Viburnum molle & Utricularia from Nantucket. If there should be any of my own desiderata among the plants which I do not now think of, or know you have, why, I'll then appropriate it without so informing my Scottish correspondent. If he does not know it, it will be no robbery.

By the way, you need not include among the set of Mountain plants Hedysarum boreale or Astragalus alpinus or Cystopteris montana, as I have duplicate enough of these to send Scotia, but anything else of mountainous localities will be very acceptable. Please put in also some Aspidium fragrans, if you have any to spare.

I shall have to stand pause for Botrychium gramineum v. maximum. It was published some years since in Boulter's Bot. Exp. I find, however, that Tischer sends me the same thing from Sweden under the name "B. gramineum" (or B. heterophyllum, as they call it in Europe) "var. fluctuans. Tischer". I do not know who has the priority, he or I. I shall stick to my name, however, as I think he has never published

Ashland. Mass. Sept. 26. 1885

My dear Mr Peane

I merely write to say that I have heard from Mr Bailey in reference to the Carices sent him for adjudication.

He answers of the numbers from which you took specimens — (I do not remember just the precise number, so give all up to N° 10)

N°. 1. C. hystericina — as I marked)
2. C. lupulina " "
3 + 4. C. Tuckermanii
5. C. lagopodioides, b. b. var. monilformis. Mack.
6. "C. lagopodioides, squinting towards miliaris."
7. " " small form."
8 "
9 + 10 C. hirta.

He says of the C. muricata which I sent him, & a specimen of which I sent you, that it is the only American specimen which he can saw that he can unhesitatingly refer to C. muricata. So you may congratulate yourself on having got the genuine muricata, as I do.

Do not suppose because one of my forms turns out to be C. lagopodioides, v. monilformis, that I do not wish yours for which I asked. I do want it for varietal purposes, one of whi

is that very specimen I sent to the Rooms, & not the other, for comparison.

He writes as though he were bored to death with the Canine sent him for determination, as I have no doubt he is. Not that he says so, but judging from my own experience, I can read between his lines. I only hope the Naturalist is genuinely that order only! & a new Order, and forms the distinct & easily recognizable, whereas he has hundreds of species, & forms innumerable & largely hybridized & pronounce often. Prof. Macan said to me once, a man has to pay the penalty for knowing more than others on particular points.

Mr B. seems contented and happy in his work. I think he has a good situation.

I have received a very kind and courteous letter, with three of Nuttall, from Mr Jeffs.

Very cordially yours

Thomas Morong

Mr Bailey himself was most interested in the C. mucronata, for the reason I gave you, that he had not before seen any genuine mucronata from our country.

Since writing you I have had letters from Mrs Jesup, inclosing those of his late Mempheramagog Neighbors. I see that he does not wish to enter the field so far as settling the status of the Nashua is concerned, tho' as a botanist he is interested in seeing it settled. I have made up my mind as to certain points, and only await the reception of authentic specimens of the European sp. to settle the whole question. We may have to make a n. sp. of our so called N. Intermedia, &c., but it is no hybrid.

I shall be glad to get the plants you have in hand for me, but am in no hurry, & hope you will not put yourself out to hasten them along. Take your own time, & I shall be perfectly satisfied.

Very cordially yours. Thomas Morong

Ashland, Mass. Oct. 1, 1885.

My dear Mr Deane.

Your card of yesterday received.

I did not suppose it necessary to give you any number for Carex hirta, as I gave you the name of the plant at the time you took it, telling you at the same time that it had already been identified by Mr Bailey. I do not now remember the number of the tags with which I sent specimens to him lately, but my impression is that you are right & that it was 20.9 & 20.10. The lots I gave you from mine collected in Ashland July 6 & July 24 this year, & those I sent him the same. He did not again send me the identification, as he knew that he had done that when he was living at Cambridge.

The "genuine Carex mucronata" was that which I sent you (& label) in

the unfortunate package which Uncle Sam treated so unkindly. I sent Mrs Bailey a specimen from the same lot, & he replied as I told you.

The Carex from Salem, June 30. 1879 I did send to Mr B. & he says of it that it is Carex straminea "very odd."

He confirmed all my identifications but one. I believe, & that was C. digitalis, from Purgatory Swamp, which I had without much examination named a form of C. leptalea.

C. straminea, v. tenera, Boott, which in his catalogue he gives as C. straminea, he tells me he now calls by Boott's name C. straminea v. tenera. He thought when preparing his Cat. that C. tenera, Dewey was a distinct plant, but now concludes that our Mass. form may bear the varietal name.

To me the most interesting thing I saw here is a queer Carex which I collected, as long ago as 1877 in Medford, & which I never could satisfactorily identify with any known sp. I was hunting for C. salina at the time, which grows in the salt marshes on the Neponset river, & supposed at first when I got hold of this that it was that sp., then I saw it could not be, & at last I decided that it must be a hybrid between C. salina & C. stricta, Dewey. Boott a year or two ago took up & described the same thing in Gard. Bot. Sax. as "C. spicularis? Mrs." - the plant being from the very same locality as mine. I cannot make my specimens square perfectly with his description, but conclude that he must mean the same thing, as nothing else grows there so near it as my plant.

Bailey thinks that my conjecture is correct, & that instead of being C. spicularis it is C. salina × C. stricta. It exhibits characteristics of both sp. very plainly, & both sp. are there in close proximity, as well as C. maritima.

to work and look it up as well as I can, & form my own opinion about it.

Just now I have been (with puzzling myself over the Asters described in Syn. Flora as A. dumosus, A. vimineus, A. diffusus, A. radicans & A. paniculatus. I have collected a large number of forms growing along the Bridge, & I declare, one half of them may belong to either of the above species — & I have got so confused that I could know one from t'other! I wonder if he himself knows the species apart? I shall carry them down to him, and put him to the test. I do not see why he did not lump all these nearly allied forms together, & call them by one name. They were (and) example in the manuscript, with only two or three leaves, & now they are just three times as (bad). He once told me that he did not know anything about Asters! I am pretty sure I don't. Mr Watson also told me that he did (himself) not know an Aster when he saw one.

With Kind regards to Mrs Brewer

I am very truly Yours

Thomas Morong.

Ashland, Mass. Oct. 3. 1885.

My dear Mr Brewer

I received your letter of yesterday this morning, and answer it now because I first merely opt to forget letters if I put answering for several days.

It is all right about Carex bicta, & you will understand that the plants I gave you when you were up here, so marked, are the same thing that Mr Bailey verified some time ago. I sent him more from the same lot from which yours were taken because he expressed a wish to have more of the American plants, & I selected them again this year mainly to supply his wants.

I have got things mixed. I fear, about the C. communicata. The plant I sent you in my parcel, so labelled, is the ~~plant~~ true communicata. After sending it to you, I received Mr B's letter in which he criticised the Carices that I had sent him, and said, as I subsequently wrote you, that it was the only American species he had seen

Asters. If you will look at the words of Torrey, you will find that he says that the species are very difficult to distinguish, & that he has not studied them much. I will look at the specimens you left with me, & see what I can make of them.

seen which he could unhesitatingly refer to C. neoricata. Now when you asked me if I had sent any of the collecting date "Salem, June 30, 1879" & Nov 8, I did suppose that you referred to the neoricata, but to another plant coll. at the same time & place, & which he identified as "C. stramina, very odd!" Now the confusion has arisen. No.- your plant is all right. "C. neoricata, genuine" & so, I have no doubt, are the other two sent with it. C. lenticularis & C. praecox.

It so happened that this C. stramina, & C. neoricata & C. praecox were all collected on my trip to Salem, & near the same spot- unless I am greatly mistaken (I think your praecox was the Salem form, & not the Pinguicula swamp form- was it not?)

As to Euphorbia glyptosperma, I am very glad to have you look it up, but if that is not right, I am afraid that all the specs so marked (& I have them from several localities, & several quarters of the in my Herb. are wrongly marked. I shall have to take them in hand, & make a thorough inspection of them. Yes, the plant I saw you was prostrate, & the seeds had two or three transverse shallow furrows across them. My mistake, if there is a mistake, lay in following the lead of various contributors to my Herb.

I am much amused, but not at all surprised at your astonishment over the Solidagos. Dr Gray has served time & knocked me over in the same way, calling a plant one time by one name, & afterwards by a different name. I think sometimes he looks at your plant rather carelessly, & then again his mind is running on some wonderful species which deceive him. I have learned to rely mainly on myself, & so will you bye & bye, & when there is anybody else who refers a plant to me, I go

Ashland. Mass. Oct. 6. 1885

Dear Mr Deane

Enclosed please find the labels which you desired me to sign. I believe that I have omitted none this time.

You should say of Botanog. Zosterae = folius. Schenn. "P. Compressus. Fries, non Sw." for it is not the P. Compressus of Linnaeus, which was a very different plant, but the P. Compressus of Fries. I know that it is so attributed to Linnaeus in the Manual, but it is a mistake. Linnaeus gave that name to what is now commonly known as P. pusillus, var. major", or what I think is a better name "P. micronatus. Schrad.", for it seems to me a good species.

The doubtful Nuphar I suppose we must for the present stand in blank until we can settle its status more satisfactorily. Mrs Horsford told me himself that the identification of the knight's Island Equisetum

Henry Gray died from the effects of poison administered to him by "orphan" Abbott. Found dead in his bed. Was to be examined by coroner. Inquest supposed to be adjourning etc.

was C. littoralis had been questioned, but he did not say by whom, nor do I know.

I am much interested in your new find upon that marvellous "waste heap." It appears to be a Salvia, but I cannot make out what species. It is not matched by anything in my Herb., nor does it seem to be described in Gray's Syn. Flor., nor Koch's Synopsis Flora, nor Hooker's Students Fl. of Brit. Isles.

You will have to carry it to the Garden, & get Dr. A. or Mr. W. to help you make it out. I think it must be some foreign species that has strayed within our boundaries. It looks somewhat like S. pycnostachya, Ort. v. Pringlei, a new sp. coll. last year in Arizona by Pringle, — still it evidently is not that. I should, however, just look at the typical S. pycnostachya, Ort., if there are specimens at Cambridge. It may be a sp. belonging somewhere on the Mediterranean, the seeds coming in here on some vessel with fruit.

Very cordially yours
Thomas Morong

will be equally interested. Mr Davenport started the plan two or three years ago when he was ~~Secretary~~ Director of the Institute. I had some correspondence with him at that time about the matter. Mr Collins would be glad to get lists of all the plants found in Middlesex Co. I have given him also that we have found from that part of Cambridge. But not Belletia nigra - do you think you can say positively that you put it there? If so, he would be glad to know it. He has lists of all the ordinary plants, & also many rare & occasional finds - as e.g. strangers from the wool heaps near the woollen factories in Roxbury - but he wants to know everything that has ever been collected in the Co. He also wants specimens of our County plants for the Institute Herbarium. I gave him also the Potamogetons which belong in the County, so far as I have collected them.

With renewed expressions of interest in yourself & Mrs Deane. I am very truly yours

Thomas Morong.

Ashland. Mass. 16 Oct. 1885

My dear Mr Deane

Your kind note came last evening and the parcel this morning. I only write now to tell you of their safe arrival, and of the great pleasure which I have enjoyed in looking them over. The Datura is superb, really & truly so - and all of them are beautifully prepared. Many of them I shall certainly keep for my Herb., partly for their excellence, & partly for the locality from which they came. Of the Silenaceæ I had no specimen in the Herb., so that is particularly desirable - so also is the Salvia from the Dumps heap.

I have not yet examined the plants - only looked them through - & therefore can say nothing as to identification. It gives me great pleasure to see my old

mountain peaks, & other specimens recalls the many delightful climbs which I have had over Mt Washington, Hayes, Clinton, Mansfield, Camels Hump &c &c. The Sphagnum recalls the scramble which I took out of Hermit Lake, Mt Washington, & the Paisetum subspicatum &c. make my climb in search of it over the crags near Tuckerman's Ravine - & so on. I may write you further about the plants. Meantime can only say I heartily thank you for the pleasure you have conferred.

The card boards I will procure as you request. I have many pieces which have come to me from exchanges, and plants sent for identification. I have also bought it at a store on Cornhill, Boston, where all kinds of board are to be obtained.

I have just sent all my Herb. Specimens of Carex to Mr Bailey for his examination and determination. 207 specis and 45 varieties. I expect he will think that his good nature is imposed upon this time, for to every sp. & var. there are dozens of plants & in some cases scores, showing all kinds of forms. Of that polymorphous sp., C. Straminea, there are not less than 75 or 100 specimens. I hated to inflict such a job upon him, but he invited it by telling me to send him plants at any time & he would do his best to identify them.

Have had recently a very pleasant visit from Mr F. S. Collins, of Malden, who is acting for the Middlesex Institute, & is getting up a catalogue of the flora of our County, in which I am much interested, & in which you, of course,

Ushland, Mass. Oct. 23. 1885

My dear Mr Meare

I received last evening a parcel containing the Nantucket crataegi & your card requesting my opinion of it. In my opinion it is a fine Salicifolius, Sarg. - of Gr. Syn. II. The old A. cameus, Mees, of Gr. Mem. has been turned into A. pauciculatus, Beam. & A. salicifolius, Ashe. by Dr Sarg. and this form is the one which belongs to the latter. At least that is the conclusion to which I have come in respect to my own collections. I am never very sure of Ashe's or Mencken's genus sup., for a large part.

In respect to Berrien Springs, which I told you my catalogue credited to Nantucket, I am not willing to have Mrs Orcutt publish that on my authority, as I have remarked since writing you about the matter that on my return home from Nantucket I went over

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I have enjoyed looking over & examining the specimens you sent to send. With wild plants, of course, I have no difficulty. As to the others, I have no doubt to them, what you have are all right: as to others I have no room to doubt your determinations, except as above indicated.

Most of them, as I told you long since, I sent to find for my friend Langlois, & shall send them again when I make up a parcel for him.

With kind regards to Mrs M. I am

very truly yours

Thomas Meehan

P.S. How did your Georgia plants turn out? Did you get anything good?

The specᵉˢ of Veronica at Cambridge, con-
-farmy my own with them, and felt much
dissatisfied with the determinations there.
I could not tell from specᵉˢ there what was
the difference between V. Virginicum & V. striatum,
& the point of difference made in the manual
did not seem to be borne out in the specᵉˢ.
Mine is as good striatum as many there. But
is there any real striatum (on the basis of the
name.) distinct from Virginicum? I doubt it—
and therefore am not willing to be responsible
for saying that Austin's (Walter's) V. striatum is found
in Nantucket. Austin was never a perfectly
safe guide. I knew something about him
when living, & of his hasty judgments. The
man proposes to give V. striatum as Austin's
judgment, not Dr Gray's, as you will notice.
Walter, too, was by no means a perfect authority.
However that may be, I have not seen nothing
which might not be V. Virginicum as much
as V. striatum — & V. Virginicum is the oldest name.

I have been making some notes on the
plants you sent me, & will give you the benefit
of them — or part of the specᵉˢ only —

Datura meteloides — already remarked upon — very fine.

Salvia tiliaefolia — very acceptable indeed

Carices. glad to see with Bailey's endorsement. Some of them I reserve for my own Herb.

Spiranthes simplex — yes, & excellent specᵉˢ too.

Rhamnus alnifolius & Nabalus Arrowsicus — first was wanted in both cases for my Herb.

Rhynchos. cephalacea — good specᵉˢ & will go into my Herb.

Bacopa filiformis. I have it from Plymouth, but did not know it was found at Nantucket.

Naias flexilis. This is the bushy, bright green leaved form often found in shallow water. The leaves may perhaps be called wider than usual, but they occur all the way in transition from this to nearly the finness of N. Indica v. gracillima.

Equisetum scirpoides. Much better than anything I had.

Primula Mistassinica — fruit — just what I needed to complete my set.

Sparganium simplex v. angustifol. — Yes. It is v. angust. because the inflorescence is simple (no male branches,) but the stigmas are rather shorter than those of true angust. & so your specᵉˢ approach v. fluitans. It is not always easy to distinguish between the two varieties.

Erigeron hyssop. — a nice specᵉˢ, somewhat taller than my Mt. Mansfield specᵉˢ

Viburnum nudum — yes, seems to be correctly determined. Am glad to get it, as I had none.

Empetrum spicata. On turning to my Herb. I was surprised to discover that I had none: so, you see. It is quite acceptable.

Polyg. maritimum — a good specᵉˢ which I shall appropriate.

Linnaea [illegible] ? It is worth knowing that this genus is found on our coast. I have it from Florida, Texas, & other southern points, but none so far North as this.

Ashland Dec. 24. 1885

My dear Mr Peck

Yours of the 20th inst. reached me in due course of mail. I am glad to hear from you again, as it has now been a good while since I had that pleasure.

I wish I could furnish you with all your Carex desiderata, but I can only give you C. varia & C. polymorpha. possibly C. publa (an Eastern spec.) & C. Grayii. C. flaccosperma is the only species that Boykin has ever furnished me. C. laevigata & fulva are not to be obtained in our country, as they have only been known to be found once at Rockaway years ago. There is a var. of fulva (v. Hornschuchiana)

a birds-eye view in California

I think that [illegible] specimens sent me by you for D. Virens which I am glad you. I will apply now to my friends. I distribute before long I hope.

D. variolata & C. Kuiskamii I should be glad to get myself, & also C. laciflora C. Tongii. C. Banzana. C. lupuliformis. C. Mongii.

I have tried in vain to obtain them D. variolata, Kuiskamii. Tongii, Banzana & lupuliformis - hope I shall some day. C. Mongii I believe, however, that Bailey has turned into something else which I have.

I should be glad to get with Mongii and discerthobium pusillum, if you have them to spare; & also a list of Georgia duplicates, if you have others than those you mentioned. Some I have, no doubt, I should be glad to obtain.

Carlton's book I have read & seen through I have seen newspaper notices of it. I know that Bailey has purposed the Carlton for it.

I have been helping a certain [illegible] which Mr Pendry, but I have had no opportunity. I have now a big package of Plants to be written. Should like to make the acquaintance of Mr Barnes & Prof. Carlton very much.

Do you know from what date New Years? If so I might come down next Monday or Tuesday & call on you. Let me know, if convenient. Should be glad to confer with Entomologists when I am there.

Wishing you & Mrs F. a "Merry Christmas" & a very happy New Year

Thomas Mayo

Highland. Mass. Jan. 1. 1886.

My dear Mr Deane

I am greatly obliged to you for sending my microscope home. I had not missed it, as I have been out of town most of the time since my visit to Cambridge, but should have been indeed a great mourner as soon as I got to work again & not have been able to find my old companion.

I have sent some fragments of Navis major to Prof. Barnes, which I hope he will get safely, & which I trust he will find to contain cellular tissue.

I had a very pleasant time in Cambridge & the other day,

& my wish I had more time & my disposal for visits to the Gardens.

Have just had a package from Prof. Caspary of the Botanic Garden, Königsberg, Germany, worthy of Botanic gatherings found in Russia & Prussia — one or two sp. of Naias & some other aquatics.

With Kind regards to Miss D. & with the hope that you may have a "Happy New Year" —

I am very cordially yours

Thomas Meehan.

Ashland. Mass. Jan 21. 1886

My dear Mr Deane

I believe that I have not yet answered your last. My special purpose in writing just now is to apologize beforehand for not calling upon you! Prof. Barnes has kindly agreed to show me some things about his microscopic work, and I am coming down to the Garden to meet him next Monday for that purpose. Knowing that you are closely confined in school during the day, I take it for granted that it would be useless to call at your house with any expectation of meeting you during the forenoon. Hence my apology. - Nice old Presbyterian! Of course you know

Heat nothing would give me greater pleasure
than were you at home.

I believe that I have at last got all my Carices straightened out. Mr Bailey named the last of the doubtful ones last week. That is the American species. My European sp. have been determined by experts abroad. Some of my specimens I had not looked at for years before sending to Mr B. — many of them I had scarcely studied or not at all, & they were placed just as correspondents named them in the Herb. It is a very difficult family. I think, with lots of queer forms under each group. I am glad to have them determined by good authority, as it was the only Order in my Herb. in which there was much confusion. My Graminae, perhaps, are as numerous, but I imagine much better identified.

With kind regards to Mrs Deane, — whose delicious lunch still lingers on my palate —
I am very truly yours. Thomas Morong.

Ashland, Feb. 9. 1887.

My dear Mr Deane

Mr Bailey — or the boys say — "has been to sea & wrecked" — my North Shore friend Tuckerman, — you probably know. I cannot quite understand how such a looking Cancer can be counted into a variety of C. tentaculata. Mitch., but if he says so, I suppose we in effect must subscribe.

Now this being the case, I am moved to beg of you a specimen of the Vernal plant of your last summer's collection which he named C. Tuckermani. There was such a plant was there not? I have the specimen from Penn., but should like to get a specimen from New England. If you

Mrs. Mary [illegible] Pierce

I should not be reading Hawthorne — suffering that my N. Hero form is not D. Tuckerman, & the smooth adamantine seems to indicate me much. If after B. an further reflection should make a species of it, putting water in Tuck. — But however, it is his bookcase, as guardian of the Family, not mine.

I hope you are getting along pleasantly at school & at home. Please tell Mrs B. that I am much obliged for her kind offer though which would have invited me to lunch, but I had made all my arrangements to be in Boston at noon that day & visited Swinburne, & only stopped at the Station an hour or two.

With regards to her & yourself

I am very cordially yours

Thomas Aldrich.

Ashland, Mass. March 3. 1886

My dear Mr Brace

I have heard from Rev J. Bailey, and he says that the Arctic Hero Carices that I sent him are C. Paulsenii, not the supposed C. tentaculata v. alticola. I thought it very queer that my plants could be other than good Paulsenii. But he also says that the one you have from me from N. Hero is the var. of C. tentaculata. Now I must have been misled by him. for he wrote me from Cambridge that this supposed var. was one which he had seen in my Herb. & which he had named C. Paulsenii. There is no other such but those I sent of him.

The upshot is that I must see the specimen you have, in order to be able to set the matter right. I suspect that it is one which I named C. hyperborea, & which I so named

with a good deal of hesitation. Of course there is only a guess. Will you be kind enough to send me the specimen in question? Put up in good strong cardboard, you need not fear to send it by mail. My specimens of you which were injured so much were not sufficiently protected. I trusted too much to the short distance. It is very seldom that I have any broken.

I have not yet obtained Coulter's Bot. Rocky Mts. How do you get one? Is there any for sale in Boston?

I trust that you are getting along pleasantly at home & in school. Please tell your wife that Miss Wiggin begins to wonder what has become of her Cambridge correspondent. We are all engaged just now in getting up a "Bazaar of all Nations" in aid of our Society purse, and so are pretty busily driven with work. With kind regards to Mrs. D. I am

Very truly yours. Thomas Morong.

Ashland. Mass. March 6. 1886.

My dear Mr Deane

I have received the parcel all safe.

It is as I suspected. The Carex is one which I named C. lupulina, & which as such I sent to Mr Bailey. By what chance it came to be labelled C. Tuckermani in your Herb. I cannot say. But I am very sure that I did not name it so with the plant in sight. Did you not come up here & get the plants? I think you did. & probably in the hurry of the moment (you remember how we drove!) the mistake occurred. I think that Mr B. will find a spec^n of it among some I sent him after returning from my summer vacation. before I sent him my Herb. spec^ns,

and marked C. lupulina. Merkl. I shall so write him. I remember that when I collected it, supposing it to be C. lupulina, I was greatly struck with the pale color of the spikes, & their more slender and soft aspect, as compared with that of C. [illegible]. I sent a specimen to Mr B. on purpose to ascertain if it were C. lupulina. Still I doubt if it is a hybrid with C. tentaculata. There was a great patch of it, if I remember correctly, & apparently it was as prolific as C. tentaculata itself. I have others collected from the same patch which seem to be nearer C. lupulina in the color & shape of the spikes, & yet different. However, it is a nice question which Boott & Bailey may settle between themselves. I am much obliged to you for the kindness in sending it for examining. I have a few specimens, & will return this the next time I come to Cambridge.

With kind regards to Mrs. Lesquereux & yourself I am very truly yours Thomas Morong.

Ashland. Mass. May 26. 1886.

My dear Mr Deane

It is now some time since I have written you, for want of anything to say. Now I have several things. First to congratulate you on your successful library debut. I have read your Bibliophilic trip with pleasure, and see in imagination a long list of similar contributions in years to come. Next to ask if it would be possible for your good wife to lodge me one night next Tuesday June 1st ? I have much to do at the Harb. Reg. and can scarcely accomplish it in a single day. As my finances are somewhat restricted — this year made smaller than ever by a long illness of my wife, — I don't wish to travel up and down any more than is necessary, using both money & time thereby. So if you could accommodate

me over night. I could both have the pleasure of meeting you, and of having time enough to consult the Gray's library and Herb. plan let me know.

I am just now hard at work on a Nuphar paper — but it must ready for publication, but need some aid from the Gs library. I have nearly all his Nuphar material here. I don't know but I shall catch it for the conclusions I have come to about that Dr. Champlain form, but "nothing venture nothing have".

My Revision of Naiad. is also progressing somewhat, and I hope to get it ready next winter. The editor of The Torr. Bulletin has offered to publish it in full, with drawings.

I have your unmounted Carex tentac. v. altior, which I will bring down with me.

If you say "yes" please let me know at what time you reach home in the evening.

If it is inconvenient for you to keep me, don't hesitate in the least to say so, and I will make some other arrangement.

My wife is still very feeble. Cannot get out of doors at all, & only goes down stairs to dinner. She has been laid up now for two months: but I hope as settled weather comes on, she will grow stronger.

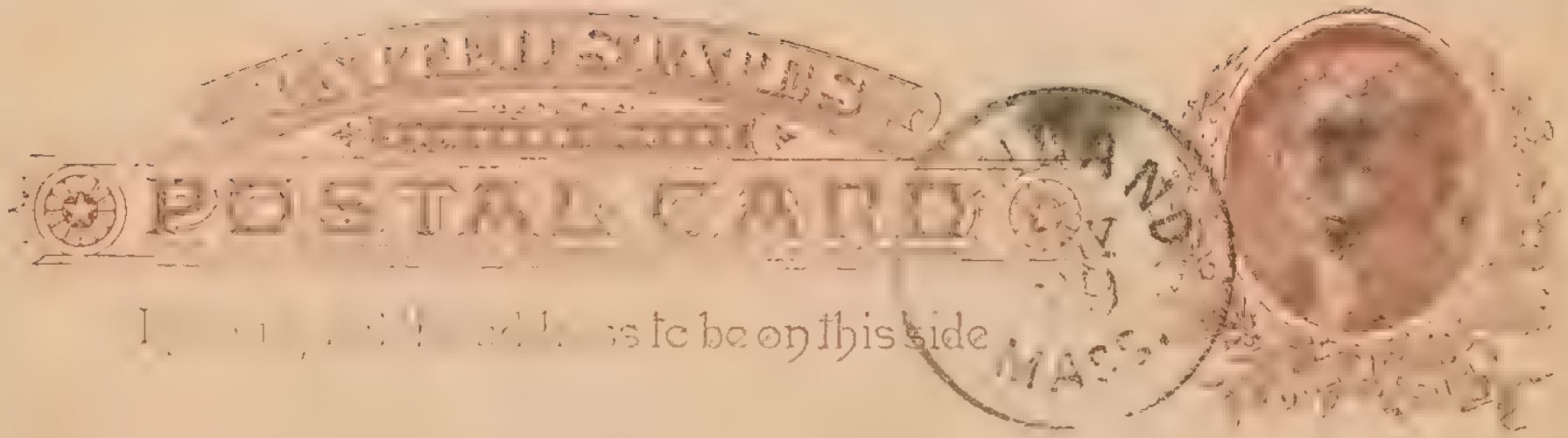
Very truly yours.

with kind regards to Miss Deane.

Thomas Morong.

Ashland, Mon. 28 May 1886

Yours received. Many thanks for the kind response. Mrs L. will please excuse me from the "lunch". I think I must give all my time during the day to study. Just as much obliged. Love. Will be on hand at 6 o'c P.M. Then entirely free. I can enjoy myself in company of you both. Very truly. T. dC.



Mr Walter Deane
5 Brewster Place.
Cambridge. Mass.

sorry for you. We observed it with special services at Trinity Church Sunday School with plenty of flowers, but hardly any teachers. I had a bad cold - was hoarse, and felt bad generally. Better today, however.

Mrs M. has been more to Boston, & is beginning to go out some. I reached home in good order after my delightful entertainment at your house, & have been finishing off my paper on Nuphar since - now, I am glad to say, in the printers hands.

Have at last obtained the joy of my heart, a good lot of that ravissimum Nymphaea Tonoji, Wats. from California via, which I have been trying for during the last two years. Got both fruitlets and rhizomate plants from the only collector in America of both kinds of flowers. - Kind regards to Mrs D. - Very truly yrs Thomas Morong.

Ashland, Mass. June 14, 1880

My dear Mr Deane:

I think your boy will have to get a Dredge made for him. When I lived on the sea-shore I got up one myself, but never accomplished a great deal by means of it. I went in a row boat however, which makes a good deal of difference.

In Woodward's Manual of the Mollusca p. 141 (a book which probably he can find at the Natural Hist. - Technological Institute - Building, if nowhere else) is a Drawing and description of a light serviceable Dredge, which could be easily made, with directions for

using the same. By the way, Prof. Hyatt, Boulton of Nat. Hist. Soc. could give him useful hints on the subject.

I should also advise him to make and use a tow net with which to catch floating objects, some of which are very curious animals & or shells. It is easily made - the Net being merely a bag of muslin or netting (muslin best) sewn to a ring of stout wire some 10 or 12 inches in diameter. This may either be fastened by a pair of strings to the stern of a boat, or fixed to a stake or pole that may be held overboard by the hand. With a little ingenuity he might contrive a Dredge himself. Unless he is going with a party of naturalists who will take the time and pains to do dredging properly, he should not think of anything but a light Dredge, which he can use in shallow water - water, say, 10-20 feet deep. It is very heavy and hard work to dredge as the Coast Survey Dredge - in deeps water, & need the use of tackle & machinery, best with the aid of a steamers engine. But a light dredge fastened to a rope 25 or 30 feet long, in comparatively shallow water, he could manage quite enough.

So you hoped to escape the rain at Newburyport yesterday, did you? Well, if you had such a sloppy, chilly, uncomfortable day as we had here, I am

Ashland. Mass. July 8. 1886.

My dear Mr Deane

Yours of the 6th inst. is at hand. Am very glad to hear from you. As to the specimens you send — it is difficult to tell much about such scanty materials. There are so many water plants that they might be. The fine leaved plant which you found floating in quantities is as likely as not to be the capillary, floating leaves of Elecharis Robbinsii, which grows in such places, & behaves in just such a manner. The others may belong to Sparganium, many forms of the species of which when in the water act like them, as S. minimum, S. simplex, vars. &c. Or the broader one might possibly be Vallisneria, after all. Though

Ps Manuscripts proving them, P. Nymphaeifolia, & "P. praemissa v.? flabellaeformis" of the manual, — wish to look again at them, & some other things. Le[illegible] Curtis' Carices are there — C. monilifera, C. Sartwellii & the curious hybrid which that forms with C. stricta.

Don't trouble yourself to write about the matter. If you are at the depot, it will be all right, & if not, I shall not find fault, as I should hardly expect you to leave the Hawthorne Mansion for that purpose.

Yes, Mrs M— is much better, & is able to go round about as usual. Please give my kind regards to Mrs Deane, who, I hope, is enjoying Concord as much as you do.

I shall do Spot Pond, Stoneham before long. Perhaps we can arrange an excursion together to that.

Very truly yours
Thomas Morong.

[illegible] would [illegible] the [illegible]
[illegible] on the surface of the water if it
were there. You see I can't give you
much satisfaction in guessing.

I am glad to know that you are
having a good time. I thought you
would. If you go up & down the
Concord River much, you will probably
run across our small Nuphar - N.
Kalmianum - which grows in places
along that stream, and you should
find quite a number of Potamogeton
species, among them P. [illegible] Tuck
If you hit that and get ripe fruit,
I don't object to a dozen or more
types with good fruiting spikes upon
them. My wants in the Potamogeton
line are always abundant. I have
such a constant drain upon my Herb.
for exchange.

I was in Cambridge last Tuesday,
saw Alice Waterman working on her
in the Museum, & for long enough
as how. He is now in the Virginias
& will not be ready to look at your specimen.
Pollard he should write you to
look him up fresh specimens of V. Ca-
culata or pelmeta, which he is
inclined to think a separate species.

I want to go out to Mystic pond,
Medford, and think of taking a tramp
out there next Monday. Shall take
the train which leaves ~~Boston & Maine~~ Boundary
depot in Boston about 10 o'clock
a.m. - do you want to go?
So if it does not rain. I am not
just sure of the hour the train leaves
B. & Bow. depot, but think it is 10 o'c,
at all events. I shall ~~be~~ reach
that depot by 9½ a.m. & take the
next train. I find two interesting

Ashland. Mass. July 13. 1886

My Dear Mr Deane

Yours of yesterday just receiv'd. I am truly sorry to hear I missed you in my trip to Mystic Pond. I reached the Boston depot, Boston, at 9.15 A.M., found that no train left for W. Medford till 11 o'c, but that one did leave for Arlington at 9.35. A. is just as near to the pond as W. Medford. I was in a great quandary what to do. When 9.30 came I concluded that you was prevented from coming, as you said that you would be at the depot by that time. So I made up my mind that I had better go alone. I found

[illegible] Mark Anne [illegible] another
train for Islington at 10 o'c, & I
regretted that I had not waited
as I certainly should have done
had I known it in time. But
I felt so sure that something had
detained you, that I thought it
useless to wait. Well, I regret
much to have lost your company
but you did not lose the two friends
for object of my going, Pot. Nepticæa
P. pygmæella, v. sparsella, as unluckily both
have died out, and the station is obliterated, — a great pity. I did not
search for the carices as I should have
done, had you been with me, having plenty
of them. You might have obtained Potamog.
crispus, however, had you desired, as that has
crept into the pond. P. perfoliatus, also, is a
abundant there. Better luck next time.
That's for Thursday next. What do you say? How
are you coming home? I can go most any time.
The Saturn next week. The seeds of which you
[illegible] coming up nicely in my garden.
I did regards to [illegible]

Yours cordially [illegible] Thomas Moore.

Ashland Sat evening.

Your card just received. By this time, you have my letter, & know what I propose. If you do not feel like taking two days in succession (Tuesday for Ashland and Wednesday for Wenham) I mean write me by next mail; but I should be glad to make that arrangement, if possible. Make your own arrangement, & I will agree. If you can't do but one, let me know as to Wenham on Wednesday as proposed, & you come here later. I shall reach Boston from here by 9 o'c. A. M. - go right down to Eastern depot, & take the next train for North Beverly, whatever the time. But come up on Tuesday if you can, and then we can make all necessary arrangements.

Very truly, F. M.

UNITED STATES

POSTAL CARD

Nothing but the address to be on this side.

Mr Walter Deane
5 Bowdoin Place
Cambridge. Mass.

Ashland. Sept. 6. 1885

If you have decided to come up here tomorrow, & this does not reach you too late, please get me a lot of the seed of Arctium tomentosum. With some myself & have promised to Britton some — Shall probably hear from you in the course of the day —

Yours

E. S. W.

UNITED STATES

POSTAL CARD

Nothing but the address to be on this side.

Mr Walter Deane
5 Brewster Place.
Cambridge.
Mass.

confinement makes me long to get away into the woods and upon the ponds.

Have not yet received my Sulphur art. in Bot. Gaz., but suppose I shall before long. Mr Barnes wrote to me as though they had been a little too much for systematic botany in the Gazette this year. You know that they have tried to induce the biologists to take up more room. The Bot. Club Bull. seems to be altogether devoted to syst. bot., and the Gazette is trying to get ahead of that — and, truly, succeeds!

My wife has nearly recovered from her illness. She both with kindly to be remembered to Miss Bean.

Very cordially yours
Thomas Morong.

Ashland, Mass. 16 July 1885

My dear Mr Deane

Please put me up about a dozen specimens of sulphur-pine pods. Split them in two and dry them under light pressure so as to preserve the natural shape. Include some of the pods which have the summits of stigma to the body, of which there are usually many. A few of the flowers, also, will be acceptable. You will find it well to cut off some of the flowers at the junction of the stem and press them out flat, so as to show the stigmatic shield perfectly. Most sulphurs are ruined in the drying by being "mussed up", showing no part perfectly, and often mouldy at that. Cut off, the flowers will dry rapidly.

I am truly glad to hear that you have again run across the rare Arctium. I shall hope to get some good

specimens from you, especially fruit. Get some ripe fruit if you can, so that it can be planted next year in my garden. All the things which I transplant to my garden from the woods grow well the second year, such as Malaxis unifolia, Datura stramonium, D. Tatula &c. I would not wonder if they naturalized themselves here after awhile.

I was greatly disappointed the other day in not having your company to Mystic Pond. I very much wanted to talk with you about the N.E. Scientific Assoc. at Buffalo. I have some thought of trying to get out there myself, and suppose you are informed as to its date, length of sessions, cost of getting there &c. I suppose we both should be members of it. Do you know the process of getting into membership? Probably some member must recommend, you are voted in, pay a fee &c. &c.

The next time we plan a trip, we must be more particular about noting the time of trains &c., & then we shall not be liable to make a miss.

Spot Pond is approachable in several ways. I have generally gone out on B. & Maine R.R. to Wyoming Station, Melrose, and walked from there to the pond. Can go by B. & Boxall road to Stoneham, which I have sometimes done. But will arrange that when you get home. Please send me word.

I am driving hard with the quill just now, and do not get away from home much. Have a long art. to prepare for Bull. Torr. Bot. Club on the Asiatic species in the Torr. Herb. There are several new species in the collection which require considerable study: such

Ashland. Mass. July 21. 1886

My dear Mr Dean

The Nuphar you send is not N. pumilum, Pursh. It is my new N. rubrodiscum! I did not suppose that was quite so near, but I am not very much surprised. I have no doubt if you hunt up and down the river carefully you will find both the parents, N. advena and N. pumilum. The latter you will know by a dark, rayed stigmatic disk, the rays separate & stellate. That you send, if you notice, has a bright red and angled rather than stellate disk. This is probably the hybrid state. Though I have not put any of the pollen under the microscope, and

that accounts for your not finding more fertilized carpels. I should like to go up there one day and examine the locality with you.

The grass you send I should call Panicum dichotomum, but Vasey has made so many new sp. out of that old form that I should hardly dare to say positively.

I think you are mistaken about not paying for admission to Amer. Assoc. I think that applies only to joining the "Botanical Section," but that you must first join the Assoc., which I suspect will require a fee of some $5.- and $2. or $3. a year afterwards. If I am mistaken, all the better. I hope to be able to go, but am not sure. It would give me great pleasure to have you accompany if I go. What do you say to a trip to Short Beach next Monday, July 25.? If you say yes, will write you as to time of leaving Boston.

August no. of Bot. Gaz. not out yet. I wonder what delays it.

Very truly yours,
Thomas Morong.

Ashland. Mass. July 27. 1886

My dear Mr Deane

Yours just received. Of the plants enclosed Nos 5 (Scirpus) is undoubtedly S. triqueter, and the grass Glyceria or Atropis distans or maritima, as you choose to call it. I never could make out any difference between G. distans Wahl. & G. maritima Wahl., finding both together in the same marsh and selecting for the last those specimens which have only one or a pair of panicle branches. Therefore call them both Atropis distans. Friend Sayre writes that for me with few flowers & spikelets in spreading panicles answer for A. distans, & those with many flowers, spikelets, & solitary or geminate rays of an erect & somewhat sided panicle answer for A. maritima. You send me both forms. I think.

When you return to Cambridge I should be glad to have you accompany me for a day to Concord, as I wish to investigate that Nuphar a little; and it seems a great deal of time to lose rowing around when those who know the locality, place for obtaining a boat &c. &c. Will you go?

I have had sent me one of the Am. Assoc. Adv. Science circulars, by which I find that in order to become a member, one's name must be proposed by two members in person to the Standing Com., and voted in after that he may join the Bot. Club of the Assoc. by registering his name. The membership fee is $5.00, and the annual assessment $3.00 both of which amount is paid before one can

receive the certificate of membership. So there is some expense and considerable red tape about the matter. The fees, I suppose, are used in printing the annual proceedings of the Assoc., and each member is entitled to a copy. I hope, by all means, that you & Mrs M. will go on to Buffalo. I hope to be there on the 18th, when it commences. They will doubtless have a first rate time, as there is a fine scientific assoc. in the city, and quite a number of active botanists. Many excursions in the vicinity will be made, & it is excellent collecting ground.

It is a beautiful coast all along the region about Wells. I have been at Kennebunkport, a little further down, and know very well what the beach is. It is capital bathing & got out when the band sound, four hours, on a bright sunny morning, and take it in the "go-as-you-please" fashion.

With regards to Mrs M.

I am very truly yours

Thomas Morong.

Ashland, Mass. 30 July 1880

Yours received. I will gladly accept your kind invitation and come down next Tuesday by 6 P.M. spend the night with you, and go to Concord next day on 9 A.M. train, Fitchburg R.R. — if that hour suits. But (Bk) will be on hand Tuesday (Aug. 3) & we can arrange —

Very Truly

F. A.

Nothing but the address to be on this side.

Mr Walter Deane
5 Brewster Place.
Cambridge. Mass.

Ashland. Mass. Sat. evening - 31st July

My Dear Mr Deane

Yours of this morning just receivd. You seem not to have recd the postal I sent last evening, in which I propose to come down & stay with you one night next Tuesday and proceed to Concord by the 9 A.M. train next day. I would not mind about the hour, as he probably will let you have his boat whether he can go or not, and I am an old "boatsman" and can row any boat known. If not, it will doubtless be easy to obtain a boat of some one in Concord, & you know the

locality. I say this because
I cannot go every day. For instance,
I must be at home Thursday evening
anyway as I have an engagement.
and it will be most easy for me to
go Wednesday. We better stick to my
plan. I think. + if I do not
hear from you to the contrary,
I will come down as proposed Tuesday
evening, reaching your house by 6 P.M.

Very truly yours,

Thomas Manning

Sharp — & Faith & Tell, that is why I dread his questions. I expect to be pulled over the coals, any way as to the theory drawn in my art. & only hope I may come safely out of the ordeal.

Have had one of his flowers from Rep. Dudley, of Camelle. It is remarkably well got up. The maps, especially, are admirably done.

I am expecting to have a fine time at Buffalo. Trust I shall get there in safety, & so return. Shall hope to see you sometime early in Sept.

With kind regards to Mrs D.

I am very truly yours

Thomas Morong.

Oakland, Mass. Aug. 16. 1883.

My dear Mr Deane

I received both your letters, the one of date, Cambridge Aug. 5. & the other of date, Aug. 10. but as I was in a great hurry to go down to Duxbury, where I have been the past week. I had no time to answer. The second letter was forwarded on there. I have just returned, & am here only for the night, intending to take wing for Buffalo tomorrow.

In letter of Aug. 5 you give me the result of examining our white ground plants. The Saxifragas I make out as you name them. also the Verbascum. Robinia viscosa is correct. I think. I have good specimens from England, & there is

the same - only with a white instead of purple flower. The one from plant, of which you speak, I do not recognize at all.

You did not give me the name of the rank smelling Labiate plant. I did not analyze it, having no time, but it struck me as a Nepeta. Althea officinalis is also correct. I know nothing of the Lobelias.

Your letter of Aug. 10, with the two Potamogetons + grass - the Potamogetons are both correctly assigned - P. pectinatus and P. perfoliatus - The grass I have had no time even to put under a lens, so I can say nothing about it. Will look at it when I return home.

Have had a very pleasant letter from the Hon. J. Conord, in which he sends me what he takes for fruit of Potamog. Robbinsii, but which I am sorry to be obliged to tell him is only fr. of P. Claytoni. He would be a lucky man to get fr. of P. Robbinsii.

I am only too glad that "friend" Bebb is off so far that he can't put troublesome questions some about that Nu- phar. You know that it is an old saying that "a fool can ask questions which a philosopher cannot answer," — not by any means that Bebb belongs to that category - he is one of the sharpest of the

Ashland, Mass. Sept. 3. 1886

My dear Mr Deane

I do not know if you have returned home from the salt water yet. & so write this at a venture.

Are you are fond of botanical excursions, what do you say to a trip with me to Wenham Pond? I purpose going there soon to look after a peculiar form of Potamogeton which grows in that pond — a form quite doubtful as yet — which my foreign friends are strongly inclined to call P. nitens. I have never collected it, though have hunted several times for it —

But Mr Faxon sent it to me
three years since, + I know
the exact locality from which
it was obtained. I wish much
to obtain it in fruit if possible.
Should like to go next week if
possible. Please let me hear
from you.

Had a grand time at Buffalo.
Met all our botanical acquain-
tances there — Barnes, Coulter,
Webb, Beal, Britton + others.
The botanical club was attended,
I should say, by 50 or 60
members. The papers + discus-
sions were all interesting. The
excursions to Niagara Falls,
Grand Island,
Point Abino on Canada shore,
+ Chautauqua, were all exces-
dingly pleasant socially + botan-
ically. The Buffalonians treat-
ed us with splendid hospitality.
Sorry you were not there, — heard
many regrets from Barnes and
Webb that they did not see you.
Hope you have had a pleasant
and profitable sojourn at the
seashore.

With kind regards to Mrs D.
I am

Very cordially yours
Thomas Morong.

Ashland 4 Sept. 1886

I should like to have you come up here next Tuesday (7th inst.) if that will suit you as well, as I wish to go on my proposed trip to Newburgh on Wednesday of next week. if it is fair weather.

Your postal received. -

Very Truly yours.

F. [illegible]

Take your own time y day for coming. Cars reach here at 8.05 A.M. & 12.15 noon. - leaving Boston at 7 & 11 A.M.

UNITED STATES

POSTAL CARD

Nothing but the address to be on this side.

Mr Walter Deane.
5 Brewster Place.
Cambridge.
Mass.

Cleveland Sept. 15. 1860.

My Dear Mr Deane

I find myself unexpectedly debarred from inviting you & Miss Deane to come up and spend a day with us this week. Our servant girl is called to go home and take care of a sick mother, and has left us in the lurch, so that we are alone. Under these circumstances it would not be very pleasant for Miss Deane; I am afraid; so that pleasure we shall have to postpone for the present. But if you will come and see us informally any day this week I want, & will agree to take a tramp with you some where and rather think I can get Miss Wiggins & Miss Jones to join with us, & we will give you pianic entertainment. I know that Miss Deane does not take kindly to bugs and flowers, birds &c. & should be

afraid to recall any fragment of their work to her. In your case of my saint in that line it would be very pleasant to taste of me.

I mean what I say, please understand — am always delighted to go with a botanist on an expedition anywhere. So you will not be putting me out at all, if you will choose your own time + come up.

I will make out your labels as soon as I can get time to attend to the matter.

Please give my kind regards to Mrs Brown, and thanks for her kind hospitality which I fully appreciate.

Very truly yours
Thomas Morong

Abbeard. Sat. 8 Dec.

Dear Mr Pearce

A funeral service unexpectedly occurring leaders it impossible for me to come down to Bamburgh next Monday. I will come on Tuesday instead, at the appointed hour, unless I hear from you to the contrary; and if this will not suit you write to me on Wednesday. If I do not hear from you I will be on hand Tuesday

Yours truly

[illegible]

You could if the 11th fit take one of the Offices

The above will explain also Mr Mawson —

Portland, Man. Sept. 16. 1881

My Dear Mr Evans

Telegram received. It is all right. Shall expect you to-morrow (Friday) in the noon train. Will arrange some excursion with you, & get the ladies & Gloria if I can. They may go Saturday Sept. 24, & return, so that you can get back on Monday.

I find all the Potamogetons collected in Fresh Pond of interest, and have procured most of what I brought home.

Yours truly
J. Torrey.

begins in the attempt [illegible]
[illegible] I had to wait
several days before I could finish
it in press, & that may be the
reason. I shall try again after
that fruit.

With kind regards & thanks
I am very truly yours
Thomas Morong.

Ashland. Mass. Sept. 23. 1886

My dear Mr Deane

Yours of the 21st at
hand. Enclosed you will find
the labels that you desire me to
return signed.

The Utricularia which came
from Manchaturn in Utricularia
gibba. L. "The spur thick & conical,
shorter than lower lip & approximate
with (Syn. H.)" is exact, so far
as my eyes can judge. I think
there can be no question about it.
Some wild notions, also, that the "bladders
are remote, much less than a line
in size, one of the characteristics
[illegible] not noted in the books.
I wish much that it had been
U. minor, as I have plenty of
U. gibba. but evidently it is not.
I wish I could come across
U. clandestina. I have never yet
seen it. & do not know it.

but I suppose the presence of cleistogenous flowers would be its best mark for identification.

I am glad that you did not go through Chicago in that big one the margin of Fort Rock. It is a very treacherous quagmire. Please keep one or two of the specimens of the Cyperaceae. If you will send me usual (one or two copies) I will read over with my other specimens to be N. W. Pittsburgh for determination. I hope to return the Columbia Coll. plant before long.

Why, yes, of course, a fruiting specimen of Potamog. R. Nitella would be valuable, since fruit is so very rare with that species.

The siliceous shields of diatoms can be made out only with very high powers of the microscope. I should [illegible] if you have [illegible] the Nitella for siliceous, that would be pretty good proof of their diatomaceous origin. However, all the Nitella in Fort Rock waters is not necessarily diatomaceous. There might be a fraction of silica, aluminum, or other substances mixed with it. What I suspect from your low powers was [illegible] of the distinctive shields of diatoms.

If Mr Hoover has really found Nelumbium, I hope he will give us a chance to see it in flower next year — or, as for that, in any state. I have specimens from N. Jersey & Texas, but have never seen it growing. It must be quite interesting in appearance.

My specimen of fruit of Nymphaea odorata from Waterbury — I mean my half — and the one together in Watson, field to

Ashland, Mass. Oct. 12. 1885

My dear Mr Dean

I have heard from Dr Britton, and he calls your Cyperus "C. Britton", & a sp. ~~nov~~ cannot exactly in N. Am. by Mr Canby. Now if you can part with one of the spec^s, you had better enrich my Herb. & that extent. I write Brig Upton down when I come some time.

As you surmised would be the case, so it has proved in the Gaylophaca plant & collected in So. Framingham known as the C. Engelmanni. But nevertheless I would like one for sake of the locality.

I am hard at work just now in preparing a lecture on Lois

Walter Scott - The illustrations with regard photographic (being height, views of the castles, abbeys scenery of Scotland &c. - in the desperate attempt to realise something outside of my impression. If you know of any chance for it introduction into a hyperion some amateur, please put it a little hoist. It will be something rather unique in character & mode of representation. Ought to be "taking". I do not like to take up my time in this way, but have some special reasons why must earn a little in some manner.

Kindest regards to Mrs S.

Very cordially yours
Thomas Moran.

would write & tell him what ought to be done, & what I could do.

I suppose you have looked over Britton's list of Cyperus in Nov. No. of the Bulletin. I see he credits me with the Mass. locality of C. Engelmanni. That was due to you. I did not send specimens to him take it for granted you had done so. I see, too, that he has given a variety name to one of the species of C. rivularis, which I sent him. viz. C. refractus. It was one of the specimens I collected on the borders of the pond in So. Framingham. Did I give you any of it? I have plenty if you wish some.

Much obliged for seed of Alternanthera and Tussilago.

With kind regards to Mrs Sears I am

very cordially yours
Thomas Morong.

Ashland, Mass. Nov. 24. 1886

My dear Mr Sears

I am always glad to receive one of your pleasant letters, and get the news from the Cambridge Botanical world. No. I have not had one of the Carex fascicles from Bailey, though I have had at odd times a few specimens of Carex from him. He knows all the species in my Herb. — has, in fact, verified them all — and would be likely to send me anything not there which he could spare. He sent me a while since all the Naiadaceae & Nuphars which he collected last summer in Minnesota for examination. They were quite an interes-

Mrs Sears's address
Ashland Mass.

esting list. Though we were off among them. He had, however, that Naples advice, ever ready, which for many years so much interested us, & which we had been suffering for the limitation in its distribution. I presume now that it has been restored, it will turn up frequently. He also had Petrea Rubtrivii with nearly ripe fruit — keep that if he had known about the rarity of its fruit, he has no doubt he could have obtained good fruiting specimens, as it was extremely common. I presume it will turn up yet in some quarter with abundant fruit. I know no reason why it should not.

With reference to Mrs Browne's proposition, nothing would give me greater pleasure than to devote the funds of Natural. I should wish, however, to go there early in July, and again in August in order to see the Cactus at both seasons. The only trouble with me is likely to be the expense, as I find it rather hard to make both ends meet, and am apt to be a little too generous in botanical matters. If, however, the Society make it a joint concern, as the proposes, and furnish board & room, I should be only too happy to put in my shoeing expenses & time. If you will hint to her (her quick woman's wit will need more than a few hints) something about the "res augusta domi". I

Copy of a letter sent on December 16, 1916 to

Ashland, Mass.
Nov. 27, 1886.

My dear Mr Deane,

Enclosed I return Mrs. Owen's letter. If I should let it lie around here, with my unmethodical habits it might get lost.

I expect I shall be obliged to go to Nantucket anyway. Your friend seems to be so full of enthusiasm, that she is hard to resist, and I have no doubt that a thorough search in the Nantucket ponds would prove fruitful in interesting

results. It certainly would be a delightful piece of work to me, as you can well understand. If her possibility is fulfilled about the invitation as guest to some of the good families of the Island, it would go hard but I would find some way of accepting it. I was down there years ago, you know, before I knew much about aquatics — & learned a little of the character of the people there. I know them to be warm-hearted, hospitable, & very sociable. A stranger feels at home with them at once. All that would be delightful in addition to the botany.

I have written Mrs. Owen, and told of the methods of search and time of search which should be followed, and promised to accept her proposition if possible. Now if you would also go down there, that would fairly cap the climax, & make the thing sure. Very cordially

Edward Morse.

C. Oregonensis. Gray. C. Breweri. Beatt.
C. Mertensii. Prescott.

These are all rare, as I understand it. And when Mr Bailey has supplied you with specimens, you will want them. They are all from Oregon.

Your saying that Mr Lutkeshof is at Cambridge accounts for my not hearing from him. I wrote him to get some of the above carices if he could supply them, & have received no answer. He did have a fine lot of the species at one time. I wonder if he is there, or this way, for good! He was a most excellent, reliable collector & botanist.

With kind regards to Mrs Gray

I am

Very cordially yours
Thomas Morong.

Ashland. Mass. Nov. 30. 1886

My dear friend

Please tell me what day in the Christmas holidays you will be at liberty to receive a call from me. I have a days study to make at the Herbarium in Cambridge, & also some plants to bring you, as well as a few sheets to be indulged in, so if there is any day of leisure granted you, I might accomplish all the object at once.

My friend in England with whom I exchange boxes every year — to one of whose letters I believe I have given you. has sent me for certain American plants, all of which I have not & probably cannot get. But hopes to make up a part of them. Will you help me get some of them? Possibly you have some among yo—

duplicates, - as we all accumulate more or less in duplicate, - or [illegible] I know some one who has some of, the [illegible].

Any species of Ranunculus.

Do. of Nasa.

Do. of Callitriche.

Gentiana detonsa. Gentiana crinita.

Any Sparganium in good fruit

Any of the Shrubs or Trees of W. S.

The sterile flowers of Asclepias Cornutis

Either or all of the following species of Carex. (I use Bailey's Synopsis in naming)

Carex alopecidea.

Microdonta

Rosea
v. retroflexa. Torr.
C. retroflexa. Muhl.

bifida.

crebriata
v. articulata.
This form known as
C. Barrattiana.

Backii.

C. Carolineana.

Shortiana.

Cimanomea.

circinata.

Compacta.

grisea v. angustifolia.

dasycarpa.

decidua

decomposita

Elliottii.

Fraccoferma

acutata

Carex Floridana

Frankliniii.

glabra.

globosa.

Bromoides.

[illegible]

Hoodii.

Hallii.

heterocarpa.

hirtifolia.

ultra.

invisa.

juncea

vulgaris v. juncella

canescens v. polystachya.

Lacustris.

[illegible]

Raynoldsii

luzulaefolia

luzulina.

atherostachya.

Mendocinensis.

Pyrenaica.

nigella.

Racana.

Sartwelliana.

Barbarae.

acuta.

serratodens.

striata

subfusca.

Chalmani.

Tolmiei.

C. turgescens.

[illegible]

verrucosa.

Whitneyi.

You will naturally say "why don't you send to Bailey 2." I know you do, but he can supply some of the above. I thought that perhaps you could tell me where to pick up one or two of them. If so, please help me.

I have received a few Pacific coast species from Mr Henderson, and can give you the following, if you would like -

Carex Hendersonii. Bailey n. sp.

C. nudata. Boott.

C. interrupta. Boeckl.

C. fusca. All.

C. acuta v. prolixa. Hornem.

Ashland. Mass. Dec. 8. 1880

My dear Mr Evans

Yours received in due course of mail, but have been absent from home for several days & so have not answered.

The "U.S Mints & Coins" must any of the Mints or Coins of the United States - So it is a pretty wide field that my English correspondent would call from. I asked you for help because I have been gradually running out of duplicates of common things, and thought that some of them might tempt fingers in your foreign acquaintance with them. I am trying hard to make up a good parcel of

Just think of it! I have made out over a large list there which I sent you, and written it over about 8 lines to U.S. correspondents. Possibly I may raise another 20 species of the list. I wish we had a good systematic botanical exchange here, as they have in Sweden, and then we could find out at once who has the things we need.

If the day will not interfere with any of your engagements, I will come down to Cambridge on Monday Dec. 27. Some way off, but no harm in setting a date, which can easily be changed if necessary. I have just written to Mrs Austin to see if she can give me the present address of Miss R.M. Austin, who used to send him plants from California. I don't suppose you know anything about her, but if you do, please send me word.

Very cordially yours. Thomas Morong.

Ashland, Mass. Dec. 22. 1880

My dear friend

Your postal received last evening.

I presume I shall be through my work at the shop by 12 or 1 o'clock, and if the latter hour suits you for lunch, it will suit me. I am not at all particular about that.

I shall be very happy to meet Mr Kennedy, or any other friend of yours.

My wife is as much engaged as I am at the shop, as I have a great deal of things before I can start for home.

Next Monday Dec. 27th, I shall be at liberty, and if you will give me a day in advance I will be pleased to meet you.

Yours truly,

Ashland, Mass. Jan 1. 1887.

My dear Mr Beam. Allow me first of all to wish you & Mrs Beam a happy new year, and a happy whole year!

I write particularly to ask you to give me the address of field of your friend Mr Kennedy, that blessed gentleman whom I met at your house the other day. He might be gratified at hearing from me my various botanical publications.

Also to ask if it would be possible for you to procure out from that Texas collection which you have been examining recently for the Rev Public correspondent? If so, I should like to add it to my price which I hope to get off by the next Spring if not before.

Shall want no note from you, at all, but any duplicate, or anything you would perhaps think any might possibly be wanted for that purpose — at Kew, but see if before it is thrown away.

– Don't keep this "buggy" news!

In looking over my Hab. collection of Carices, I find that of the 289 species enumerated by Bailey, I have 214. Is that about fifty per cent? Of the 75 sp. which I lack, some 45 are inaccessible for various reasons – 23 being Mexican, a Cuban or Jamaican, 10 arctic (as far as probably with one in Bailey's Herb.). So about all I really lack are some 30 species, – which I think for a private collection, making no pretension to completeness in Carex, is pretty well.

That Nepiophyllum from S. Hampshire: many I have been examining. It is quite an interesting form. It seems to be a variety of N. spiculiferum Boeckeler. But I shall yet make a more thorough study of it, and let you know the result. –

Very cordially yours
Thomas Morong.

in England. Many are fortunately hard to get, as in lots of other things one wants. I see, however, that Abbe's are more hard to get over than Prof. Geo. H. Elliott's, which I suspect you are obtaining. It turns up in Curtis' most fossil of plants just issued. I wrote to Curtis for that & Dayenport & Lesquereux to England, but he can't there were neither Lamprocarpa or Pinnularia nov. species in that notice which they have collected. Why do not those men collect more specimens of these rare species. They are always in demand & quite readily sell or exchange. Mrs M. writes kindly & remembers you. Hope many of the pets of Mrs Brown.

Very truly yours
Thomas Morong.

Ashland. Mass. Jan 16. 1887.

My dear friend

I have been looking up that Myriophyllum from Lake Memphremagog, and I presume you would like to know the result. It is not M. spicatum, but Myriophyllum alterniflorum DC. When the two are examined carefully, they are seen to be quite distinct. This is the first time it has been discovered in the U.S. - (it was in U.S. - was it not - or Canada?) Please inform the Shumlins of his discovery, and tell them when he next visits the locality to time his visit a little later so as to get it in fruit. If he has obtained on our Continent between the years Greenland,

Sulcata is exhibited with it by Fox
Wilson in his Index. It is found
in Northern Europe, and I have speci-
mens of it from Prof. Gregory of
Prentice.

I was in Cambridge today changing
and verifying my species of Pleuro-
bus by Dr Gray's last revision, and
find also Watson about this species
Phyllum, so that when the specimens
you gave me by Gray get round, it
will be correctly labelled.

Stimpson has called on you but you
were at home; but had work enough
for the whole day.

Yes, I received the little parcel
which you mailed to me at
Newhaven, Conn, and meant to
acknowledge it when at your house,
but was so filled with the matter

that it slipped my mind. I am
much obliged to you for the kind
remembrance.

I have just received a copy
of the Hettinger's Check List of
N. Am. Plants. It is the finest thing
of the sort I have ever seen. You
will want a copy, as it is nearly
a complete list of our U.S. flora
as it was possible nearly all the
specialists labouring contributors to fill
its pages. I do not possess Oyster's
Check List, but I don't believe
that it can compare with Hettinger's
for fullness & for beauty of type.

I will send you the publica-
tions you asked of me.

I am afraid that I make use
for my own benefit for my friend

for Juliana — we talked a bunch of stuff & I got all confused — Wish it is a terribly tedious thing to perform all my duties; & yet it would be true, as I should like them. I wonder if I could not get it made cheaper by purchasing a pattern or pattern at this? Is it the correctly measuring & have 75 pr. ct. proof cloth, do you think?
In my talk in that he was very complacent and intent of economic arrangements. Is it any better?
In F. too, seems to think that pruning is not a superficial pretentious point. He would have long-hoop canes in which to keep plants. I don't know how high them under they are such a size and steel like branches before. Shall go to-day that not from a piece of time for the basis to be in the market. - Wonderful to it was well of be cold. - With Kind
[illegible] Yours Most truly.

Ashland Mass. 24 Jan'y 1887.

My dear Dr Brace

I have just had a pleasant letter from Prof. Jno. Macoun, author of Cat. of Canadian Plants. He is much interested in our Nymphæa odorata alba variegata, and wishes of course if we could send him a scrap of it. Have you any to spare, from a multiplication? If so, please let us have it, and in the strength of it I will ask him to donate you a copy of the last no. of his catalogue, of which you have the first two. I do not like to trouble [illegible] for any specimen which is not

planned in the Fall. If you have seen Prof. Whitten Brown as we are well advised when at any time of year the Nova Scotian Specimens. That is always wonderful. Prof. Ells says that he thinks some names must remain as Rock Elm, Red Rock, and thinks white ash Nairdiana and thinks the Professors to look all his correspondents and collectors on next Thursday evening; I write particularly to remember. He has really got up a fine catalogue, a monument in itself of his zeal & industry. Please ask me every question you can remember Dominion about he may not forgetfully forward.

I send a very pleasant letter from Mr Kennedy in acknowledgment of the papers sent him. He may not be in a position to [illegible] with them until [illegible] but he hardly knows what to do with it etc. I wish he would help some of our people in getting what we should be delighted to do, but also the need of land surveying and cannot recommend us from accomplishing. For instance, if some one could only induce the Botanic Garden with ample means for an arboretum and all kinds of botanical research, would it not be a blessing to the world? I like that sort of business with which makes his appearance now & then.

By the way, what do you fancy now you should buy the portion? The Dominion Government are to have to

Ashland, Mass. Feb. 11. 1887

My dear Mr Deane

Prof. Newton writes that he has received a specimen of Myriophyllum alterniflorum; and has sent for the copy of his catalogue asked for. I hope you have received it by this time.

I have got off some notes to the Proceed. of Torrey Club, among which is an account of our friend Chamisso's discovery of this Myriophyllum, which was very [illegible] to the early botanists. Prof. Ne. proposes to look it up next Summer.

I have had a good deal of inquiries for you under the Norwegian Stamps, wondering how you managed to get sufficient stamps to pasting in your school. How do you get on? Do you begin to consider them [illegible]

[illegible] a review [illegible] of [illegible] Friend
[illegible] of distinction on your own.

I [illegible] in the last no of the Dome
the Bookstall that "Miss Marie de
Mitre" was elected a member of the Lyric
our friend be honour enough with that
nickname? But how can she
establish on the Wash?

How is her agnatic-hereditary hospital
[illegible] Nanterre but going on? I have
not heard from her since [illegible]
December, and do not know if
the state remains [illegible]

With kind regards to Mrs Deane.

I am very cordially yours,

James Morony.

Ashland Feb. 7. 87

My Dear Mrs Deane

I return the letter of Miss Dana. She can explain many matters indeed, and if anybody can be interested, she can.

Do you know in Cambridge or Boston any Frenchman or French scholar who could correct for me a little volume I have just written in French? My French is worse than bad, and I hardly like to leave it from under the inspection of a Parent without at least having practised. Perhaps some of your friends if any of them are capable that way, would read and correct it.

I started with the Naiadaceæ. I could not find a set anywhere, and was obliged to work till I could get them myself from Europe. I now have the means of infallibly deciding whether any Naiadaceous plants are new or not.

So I would advise you, no matter if you have not as yet obtained many American plants, not to oppose foreign plants if they fall in your way.

Prof. Macoun has just sent me all his Herb. specimens of Canadian Naiadaceæ for revision. He has got hold of a Potamogeton new to our country, viz. P. rutilus Wolfg. It occurs in the north of Europe (the continent) not uncommonly, but not known here before. Quite an interesting find.

I shall hope if I do go to Nantucket next summer, that you will arrange to be there at the same time.

Very cordially yours
Thos. Morong.

Ashland. Mass. March 1. 1887

Mr Walter Deane

My dear friend

Yours of Feb. 27. with enclosed specimens, reached me last Evening. I herewith return them as you named on the papers, & have also - as follows.

Potamog. pusillus. L. the same known as P. tenuissimus. Mk & K.

Ceratophyllum demersum. L. (the smaller of the two plants with dissected leaves.)

Bidens Beckii. Torr. (the larger of the two with dissected leaves.)

Chaptalia tomentosa. Vent. (the Compositæ plant from Florida)

Nitella flexilis. Ag. (the Characeous plant)

I found a good French critic

to write my letter, so that I had not need the services of your teacher. — Thanks all the same.

I am very glad that things have resumed their normal condition on your horse cars. The railroad officials seem to have got the best of it, and perhaps it will help to prevent strikes in future.

I have just had an interesting box of specimens from my english friend, containing a large number of English & Continental species — many possibly Waldensian. As soon as I can sort them out, I shall want to give away the duplicates, of which I think there are quite a large number. I will offer them to Dr Gray first, and if he does not want them, then anyone or anybody else who will have them. There was a time when I would take no foreign plant from anybody, but now I see their very great value for comparison, and I just hate all I can get into my Herbarium. I do not mind for them, or offer to exchange for them, but they come to me in various ways. I find it impossible to make out our own N. American plants without a collection of foreign species to compare, and none of our large public Herbaria are complete. When

I shall return to Paris (I hope,) if it is of interest here to get a reprint of Curtis's catalogue, since there are additions; and the maps ready for a proof or so. I only wish that the editors could have had the benefit of an acquaintance with Northern and Northern Lands, and Long's Yellowstone. Apparently they knew nothing about Long's or other recent publications, and the many changes in botanical nomenclature which have occurred. I should have supplied it here, that being in Washington, & in direct contact with Dr Gray & Asa Gray, who might have prized the opportunity for the sake of Franciscus.

For the rest, however, the catalogue has many good points, and I am glad to see it. — Shall be glad to hear that your child is improving. Kind regards of

Very cordially yours Thomas Meehan.

Ashland, Mass. Mar. 21. 1887

My dear Sir Brace

Your (always) welcome letter of the 20th just received this morning. Meanwhile I have letter of Asa Gray. She is (indeed) "unforgettable" — and more than that, besides — a genius in her way. She need not have (ed! don't say this or that —) given so much over the matter, as all I ask is entertainment while on the Island, and the use of getting a light boat on the Island waters. I don't want the money in the Treasury of the Park: but the Island, when it may be necessary to hire a boat or two for its transportation. Besides — after enough and pie are had of this to-day O., — I would not have her out for the world — I hate

I am afraid that the article disappointed with the results of the exploration, as I imagine that those of the Island has already been fully worked up. Eddy went to go down there years ago, and he was very sharp after it. He believes, as I believe, as white there also, many other botanists have laboured around on the Island. Still, some interesting things under the water may be found. I take it from the Chronicle, which you obtained some months for, and other reasons possible. If any of this will pass with them I expect. At any rate, I am willing to do what I may toward settling the vexatious flora of Newfoundland.

Yours, I believe, with a copy of McCarthy's Catalogue of plants in the vicinity of Lillooet, B.C.

by whom (to the credit) a copy of his old set of the A. Gentiana. It is a lovely thing, however, and interesting. Must be under the 2 feet waterline - or, for instance, enumerating so many old things, (p 60) as "new" to U.S. Epilobium alsinifolium, Bidens frondosa, Alisma Plantago aquatica, Potamogeton epihydrus, Ranunculus Cymbalaria, all long & well known in various parts of the country - and think of calling Euphrasia Oxyphylla "new to this country!" I should like to carry him into some of our bogs, and show him acres of it! Think, too, of being so far behind the (botanical) times as to say that the name Brigham is substituted for Engelm.! (p. 68) Evidently the writer has never got beyond Chapman's old botany. However,

Ashland. Mass. March 30. 1887

My dear Mr Evans

Your note of the 29th came duly to hand: also the pamphlets, for which please accept my thanks. I am glad to have your name & the Insurance Life on the books of the Treas. and shall avail myself of your services when I have occasion.

Yes, I have Hattington's Catalogue — called on Neumeyer's. He is a true disciple of Bonaparte — triumphs of the time. In former years I had considerable correspondence with Lucien, and owned rare pamphlets.

Can you give me the exact address of Prof. Pelzer in St Louis? I want to have some business before he sails for Europe. I wish much that the time of year

Dr Engelmann's type plants, which I
believe are, with all Engelmann's
collections, now in Prof. Gr Official
charge. Has Lint formerly was to work
up certain foreign plants of Mexico
which I thought might be among
Engelmann's contributions from St Louis
but of this other work of mine he knows
nothing.

I have just had sent me by
Parkhurst, sent by the Mexicans,
an iron scraper or "comb" to be
used in Mrs Owen's behalf in the
"Lost Ark Blend" - mostly contrived
by myself, but modified partly in the
hand and by Mr Allen. If he will
it help to lose something near the
catalogue, if our project for next year
we has not fall through.

Come up here in the East more by
all means. I shall be delighted to see
you. Stay all night, and you
I should like to meet you with some of those
[illegible] I [illegible] this year. Any [illegible]
I will be [illegible] in Chicago in August and
[illegible] Friday Morning.

month, and would make it not
difficult to see me if I have

to change your own hours
[illegible]. I like your write
[illegible] attend me in a week or
two if you can as I should
like company, but only such
company as will suit
[illegible]. I have told Mrs A. to
the field understands my [illegible],
that I can do nothing with un-
learned & unscientific communications.
I want to [illegible], as I have been
[illegible] with people who know
nothing about collecting, and yet are
always full of advice & directions.
She says that she will be true and
[illegible] me! Send for her.
Kind regards of Mrs Jones
& my truly yours. Yours Morong.

(Received Mon. Sept. 26. 88)

My dear Mr Jones

I hope you had all the
pleasant time at Chicago that
you anticipated, and that you
and also Mr returned in
safety and good health.

I am in want of a specimen
of Rosa Stevensii for a friend,
but having myself only one bush
for my book. Can I have one.
Have you one, or can you get
one for me - or, failing that,
tell me where I may [illegible]
however a specimen? If so,
please do me the favor & let me
know. - I wrote to Mr Tre-

Leave for the town of ... the Registrar's office, but cannot get them. He says that they are committed, and the doctors are unwilling to have them operated. I suppose they are right, as would be so in ordinary cases, but as I only ask for three, in which I am a specialist, I am rather sorry to disturb a town lately, and should help the Hubs by corrections which they had better run some risk to get. It is the first time I was ever refused.

I have finally made arrangements with the Duke of Bedford's Agent to take the Woburn Golf Links; and am to have the place entirely to ourselves from June 1 to Sept 1. It should work famously, but I have no data upon which to base any opinion

& the likelihood of the Golf Links, and the possibility of a good tennis court. Now if you will come over in the middle of June, a part of the time, at least, I shall feel perfectly happy. As the arrangement now stands, I shall leave here for Nantucket on Tuesday, July 5, and spend a couple of weeks in the woods. Then go down again about the middle of August, and stay two weeks longer.

Something very severe, of course, after three years. I should like to go home and stay right there, but I know I should work, and I have no such reward of virtue at my own

[illegible] from light in splitting it up into its many varieties. What, if any, is the difference between the type & vars. metallici & ordinarium? & what the difference between vars. flavicans & magnetifolium? & are the two Cook (floating) plant forms of simplex at all? There are many questions to be decided. Please help me all you can.

Are you not coming up here before long? Should be extremely glad to see you. — Have just heard from Mrs Owen, who starts back next for N. Carolina. Her plan is to leave Lisa for Montreat on Wednesday July 6. She thinks she will be there [illegible] days &

[illegible], Ala., May 30. 1895

My dear Mr Evans

Haven't had a letter from you for so long. It seems as if [illegible] thing was wanting in my life: so just sent a [illegible] to hold the hours &c. I must positively go to my writing tomorrow, and after that get a letter.

With my fresh ink my pen is [illegible] & I am committed to a revision of nearly all the Typhaceae, that I must say. Rumex is within [illegible]

& I am in want of all forms of Typha & Sparganium for

confusion & distraction.

Now I ask you to keep me in mind this summer when you are out & collect for me specimens of mature plants in flower & fruit, & specimens enough for analysis, & also for the herb. & a few roots of aconite the writer to obtain European botanists who are customers in this line!

Am particularly anxious to get all forms of Sag. in flower & seed in Sept. & Oct. & also the S. variabilis roots & specimens.

Also Sag. rennens. Note.

If you know anyone who has it [illegible] & who will dig it up, & ship it to me, I will pay for it. I am not quite sure that it is rennens, but I am inclined to believe it is. I am expecting the plants from Europe for which I shall then be certain.

Perhaps your friends, the Cheneliers & the Kennedys might help me out. Please let me know — if you are in no position to collect this season & the matter.

Of Sag. simplex, I am a good deal in doubt — Letter

Ashland, Mass. June 7. 1867

My dear friend

Yours of the 5th at hand, from which I am pleased to learn you are well. I should be very glad to see you at any time, for a short or a long visit, and I hope and trust you will come up some Saturday. You will be heartily welcome. I intended on my way at first to call and see you longer. If I can call at the depot, you know the way to my house, & the latter thing (I mean) I may do.

Have many calls to make for me & others, and I may then call & see you. Yours truly

[illegible]

Auburndale. Thurs. evening
June 16.

Card received. Shall be happy to see you Sat. P.M. - (Have a funeral service at 1½ o'c. that day, but will be through by time you arrive) - So come by all means. Have sent a postal also to Boylston Pl. as directed -

T. M.

UNITED STATES

POSTAL CARD.

ONE CENT

NOTHING BUT THE ADDRESS TO BE ON THIS SIDE.

Mr Walter Deane
5 Brewster Place
Cambridge
Mass,

Ashland Thurs. evening June 16 -

Dear mamma. Shall be happy to see

you Saturday. Not trouble me in

the least. - (Shall have a funeral service at 1½ that day, but probably through the time you arrive.)

Very truly yrs,

T. M.

How does my portrait go on?

UNITED STATES

POSTAL CARD.

ONE CENT

NOTHING BUT THE ADDRESS TO BE ON THIS SIDE.

Mr Walter Deane
20 Boylston Place
Boston,
Mass.

Ashland June 21, 1887

My dear Mrs Evans

I think on the whole that you had better write to Mrs Starbuck yourself, as I wrote her a long letter & told her about your wishes, & she has had time to look up rooms for you in her neighborhood &—

So that she will be fully understood from you as soon as I thought I wrote. I told her that you would probably come down about July 13.

Her address is

Mrs Matthew Starbuck

Nantucket, Mass.

I should be glad to have your friends go down for Mrs Beam's ashes, as the wish there have consideration.

I am glad that you didn't conflict in coming up here. Did not notice any bad cases in your herd, but thought your cows looked good. Now mind, vacation is coming.

Will go after the Cows next week for you. Got room if any stick there.

Want some young Pipkin experimenting, to see if the can be used as stud sheep. Think I should have to run out to Medford, near Mystic Pond, where I used to fish it.

Hurriedly but truly yours

Thomas Conway

Ashland. Mass. June 22. 1857

My dear friend

Enclosed please find list of Mrs Bingham's California plants. You will remember about 9 this you about them to her. There are about 330 in her list, but she calls them 300, & about 300 comes to plants, and charges $15.00 for a set, or $5. a hundred, which is extremely low. Her husband is now in Utah, & I judge from the recently circumstances. Please return the list to me when you have looked it over, & I will send instructions — or, stop! I'll call at your house in Cambridge next Monday morning and get it. I purpose coming down in that day by the usual train & Newton (leave here at 9:40 A.M.) to make a visit to the Arboretum. I will probably call between 9 & 10 A.M. Sorry you cannot be at home. But I shall be obliged & forego that pleasure if

suffice. I have considered the claims of the Nab. & to come on & get through there, & take stock for Lexington, in order then to come to Augusta Thurs. via Augusta Road, Mr. Hartford, in search of Fifth engraving for price, which work I greatly want. I would expect specimens of it young, in order to see if it belongs like it to the latest folio. If you were only at liberty you would enjoying going over with me. I fear!

Do you think that I could both examine where the Concord canals was planted & make the Science of it worth a scamp of it were to be seen! Chas. Christa. Ruy Stevenson v. Lenox (Pafford) & G. Hale's letter have taken possession of the entire ground! So I could get you room.

Of course you receive the letter I wrote you about Miss Starbuck, at Nantucket. If she is the wide awake & accommodating person drawn by Miss Brown, you will find no difficulty in getting her assistance towards procuring a drawing for yourself & your family. I hope it will be taken some time in April.

Love my best regards to Mrs Jones. Will be in Phila for a moment if "Looking" me until Monday, as my time will be more fully occupied with the Nab. in Lexington.

Yrs truly always — Thomas Moore.

to buy P. Nyctea. The former has, I am afraid, been determined; but not find a sting of it. Pulled off my boots & waded in, however, and found a few young plants of P. Nyctea, even not many left there now — & one! It is the only station known to me in the world!

Took my hands — redressed & packed for Washington — found a big bag full of Typha latifolia on the way, & by getting (with my mind) obtained two others with some specimens of it. — & then, after all that, reached the depot in Washington in just one hour after I had left the same spot! Then had the pleasure of walking from Bowdoin Depot in Boston to B. & A. depot, leaving the house in which started the same train I did, & the conductor of which would recognize me by getting them in vain, by 5 minutes! With much sympathy for you in the stress of vacation, I am yrs. in haste, [illegible]

Amherst June 27, 1887

My Dear friend.

After getting home from Boston this morning I found your letter in the PO — & one also from Miss Hitchcock. Pleased to see that she has written directly to you about coming here, so that you will get all the necessary information at first hand.

There was also a letter from Miss Dickinson, saying that she would have had them up from Boston, and hoped to see Dr Gray & Mrs Asa Gray at about the time I propose going there.

Well, I want to see Dr. Gray in particular, & by this time there must have come [illegible] you of the time we are expecting for Miss Dickinson's [illegible] which we can

Now pleading in re of Mrs Richter's
mail bags towards Cleland. She
might have kept it longer, as well
as not, as we left the right thing to
Mrs Kennedy.

From your house I went on
my usual track towards the Thom-
ic Institute & after phoning to the
Yards between the two stops, I
found I had to go to, but found
the gate at the inner fence ended
up. & a very kind official man
told them we passing over
allowed. So I started up the street
to the Observatory, and quickly
leaving the way, walked along
the circle of the street on which the
Institute stands. Got there in half an
hour, & had a pleasant reception
from Miss Wilson & other Scholarly

officials being the only visitor which
I had in mind, started by horse
car for Cleveland. With my usual
luck, however, I had to wait on
half an hour for a horse car, &
did not reach the place till 3 o'c.
Now, I must be back at Cleveland
car at 4.25 o'c. my way in the
meantime my train on B & O. R. R.
for Cleland. In the hour & ten
& five minutes I had a good deal
of walk, I can tell you. Reached
at the Magnetic Park & spent the hour
in peace, collecting beautiful specimens
of Typha angustifolia, which grow
there in abundance of fruition - a
fact, all the way to Magnetic Park.
When I went across the Bridge
leading to the edge of Magnetic Park
I took a look at the boarding for
Attorney General U.S. Post Office Dept

You seem to be so much interested
in the Swiss people, that I
[illegible] you will like to read a copy
of the 1st no. of "Pittoria" which
I am sending under separate cover
with the other pamphlets.
By this you will see that I am
a reader of original ideas, that
has been my motto ever since the
days when I began to write. The
days will be when I shall be happy
to say anybody else in particular who
is the founder of my ideas.
By the way I criticise of "Pittoria"
in one of the last numbers of
Volume 1 of the Review. I mention
that it will be a short [illegible]
with the Swiss ideas, and
the location [illegible] may
[illegible] I look the matter
Have considered the publishing in the
Review. However I have a
good deal of sympathy with them,
because [illegible]

Ashland May 5. 1887

Dear Jessie

We have received the [illegible]
& now ready to [illegible]
in the afternoon train, however, but
for Nantucket tomorrow morning
with good hope of being there at
9 or 9.45 AM.

One word before leaving. Nothing
you have better send one word a day
or two before you come at what
time we may expect you. & Annie
either be on the wharf myself or
N — have room one there to meet
on & for you. The boat leaves
Woods Hole at 1.45 PM. & reaches
Hole somewhat later, & arrives
N — at 6.15 PM. There is
no morning boat but you would

[illegible] can buy round trip tickets from Boston to [illegible] via B. & O. R. R. for Nantucket at $42.50 [illegible] October. I hope Mrs Owen will be on hand, & so we will make up a little company of botanists.

Shall rely on your knowledge of Nantucket for some localities, & from Mrs Owen will not be known while I am. I am sorry we be in [illegible] acquainted with the field then we otherwise. Please give my kind regards to Mrs Deane. Hope you are both enjoying yourselves.

Very truly yours
Thomas [illegible]

19 inches in length, a while, at the other extreme, another only measures about 5 inches!

I had been so used to an abating of several miles every day, that on the Monday after getting home, I took my collecting box, and made a trip to Wachusett Pond in Holland. The only thing I found of interest was Sparganium simplex, type, in abundance, just in a nice state for collecting both kinds of flowers.

If you run across the floating forms of this species, or S. minimum, as given in the Manual, don't fail to lay hands upon them. So with var.s Nuttallii & androcladum. Be on the look out when you come near marshes, ponds, rivers and lakes & brooks.

Regards to Mrs Brown & New Chamberlain

Cordially yours
Thos Morong.

Holland. Mass. July 26. 1877

Dear Mr Brown

Hours of the 24th inst. rec.

I got home safely on Friday of last week, but the waters were troubled by wind and rain, so that the trip across the pond was not altogether pastle.

If you enjoyed your one week at Nantucket, I enjoyed my two weeks twice as much, and only wish that I could have prolonged them into two weeks more. I have been so busily occupied since getting home with the care of my Nantucket collection, & some professional duties, that I have had no time to look over any of the doubtful or unknown

forms (caught from the Island).
The two days I spent there after you left were packed full of work. The first one we used in a family visit to Tresco. On the way, near the point where we started for Tom Nevers Road, in a muddy hole by the way-side, I obtained a very interesting Nitella — species not known over-seas to be submitted to Mr Allen for determination. I also found Riccia fluitans, near the town of St Mary's — a state in which I did not know it in very bad. On my last day I walked down the whole length of Old Grimsby Road to the sea-shore, & then crossed by little Mayflowers. (pronounced May-oakses). Great Mayflowers. Ruby, Paddock, Rotten Rampion (beautiful names!) down Cotton's Ponds — a distance of some 7 or 8 miles. On one or two of them I obtained beautiful specimens of Myriophyllum decipiens, which might pass for either type or var. form described by Hy (except v. leiocarpum, as it was flowering). I send some 12 or 15 nice specimens. Also a Nitella from Cotton's Pond — probably N. flexilis. On one of these occasions Typha latifolia occurred, but most of the abundant Typhas encountered were, as before, T. angustifol. It is a D.E.D. that T. angustifol. constitutes at least 9-10ths of the genus on the Island. One of the specimens you praise measures from one end of the spike to the other end of the staminate

Hook for the botanist & a big reception by the Torrey Bot. Club — & for the Doc. in general an excursion around the harbor & to Bowman's Island, Statue of Liberty &c. &c. — & various other receptions and excursions — Of course our botanical meetings are going to be crowded, with so many N.Y., Phila & Washington botanists on hand. I wish very much that you were a member of the Club, & were going to the East. I enjoyed it so much last year at Buffalo, that I would not miss it for a good deal. Mr Britton writes me that he will be unable to be present. I regret that very much, as he is the President elect of the Bot. Club for the ensuing, & I did hope to hear him speak.

Hoping to have some more excursions with you yet before the season is over — and with very kind regards to Miss Deane —

I am very cordially yours

Thomas Morong.

Ashland. Aug. 5. 1887

My dear Mr Deane

Your last from Montague rec'd in due course of mail. I hope the thunder and the rain have ceased by this time, and that you have had your trip — a successful one, I trust — to Mt. Toby. Certainly your botanical finds in that region are quite interesting. I did not know that Brownii Kalmii, Nasturtium sylvestre, Juncus canadensis & Arabis hirsuta occurred in Mass. at all. I have them, but only from stations in Britton, one even as far off as Dover.

What delicate plant or fern found on Beach-ache Rock, Nantucket, is Marrubium, or pennyroyal. The Juncus found near Devens I can only refer to the J. tenuis var. legitimus, but it needs specific revision, and I think,

shining pods are not alluded to in the book. Nor little one pictured on beach: adua bend (lower end) is the same thing. My finds in Characeae at Nantucket were also a rich thing. The chara from Corkaty Pond (C. circinata, forma leptosperma) is, I believe, found nowhere else in the country. & Nitella which I got the day after you left, at a small pool by the roadside near Sconset is, Dr Allen writes me, entirely new, and he has dubbed it with the name "Nitella Morongii"!!! - Now if you had only stayed a few days more, who knows but it might have been "N. Sconsi"? And the Nitella which I obtained at Maxcy's Pond several days before you came Dr Allen calls a "big find", being more than "N. batrachosperma, first find in America!"

However, the one named for me must yet be sent to Norstedt, the great European authority, & then it will be officially

recorded in the world, before it can be published - and he may knock my name into "Smithereens".

I am thinking that Mrs Bowen will be tickled enough to rush into an Indian war-dance, if it is possible Dr Engler has done me an undignified thing.

Dr A. wants me to go back & N. and get him 50 specimens of each of the above Nitellas, & says he will pay half my expenses if I will. I did collect a lot of the first one, as it appeared to me something which I had never seen; but of the Maxcy Pond plant I could not make up, after long trial, but one or two wee things, and I doubt if I could find any more. Still I might; & possibly may try & do so, after coming home from N. York. -

I have arranged to attend the meeting of the Am. Assoc. for Advanct. of Science, which begins Aug. 10 at Columbia College N.Y. The local committee have laid out a grand lot of good things for us - among others an excursion by steamer to

35 years or more [illegible] [illegible] [illegible]
[illegible] on the great lights, such as the
[illegible] Bank, Skerries &
[illegible] etc etc.

Mr Tilden is [illegible] at work upon the
Overseas [illegible] which his professional
[illegible] work [illegible] on the History
[illegible] & classification of the Indian
[illegible] which [illegible] [illegible] [illegible]
[illegible] by a full description of all
the objects found so far in N. America.
He is thoroughly versed in the subject &
his book will be a standard authority.
He has a beautiful residence in Brookfield,
a splendid working room, with all and
every useful & literary facilities you can imagine
[illegible] allows no effort to [illegible] in this way.
My very kind regards to Miss Bean, Miss Van
Hall girls how is your Aunt & Uncle, Cousins and
relations. Cordially — Thomas Hovey.

Ashland, Mass. Aug. 20. 1887

My dear Mr Bean

On arriving home yesterday I found your two letters awaiting me, the one from Montague of date Aug. 9, and the other from Cambridge of date the 18th. I left here on the 9th, & consequently did not receive your first letter, which I regret much, as had I known your wish, I might have obtained for you a set of the plant issued by the members of the Torrey Club to visiting botanists. I did not take many of them myself, as I have most of them (I believe all) in my Herb. I am confident that you also have most of them. Still there is a number which I do not think you would like, & should have.

I left N. York sooner than I intended, just to be on the spot (on Nantucket

also I made no visit with Lowell complaint. Dr Allen of whom I am in the city I stand, came in from Litchfield, his summer home, and went from the Harbor with us on Monday. He stayed an hour or two with him on Tuesday, which I was glad to do, & so felt myself quite by talking from country air, & drinking wholesome milk & ~~plain~~ water. I am all right now.

Mr Wilson is never enthusiastic about anything. He talked with us about his hurt from trip so coolly that I fear I should not have stood at home. We had had a capital time. The excursion was exceedingly enjoyable. Most cordial expressions from the beautiful bay of Naples, & up the wonderful & charming Hudson he returned. Mrs Wilson & Miss Stone in person, like a true reporting the meeting of the Literary Digest of the Club.

Our great & very good Scientific papers was read in the Biological Section, and many interesting & familiar & remarks made in the meetings of the 3rd Cl. C.

There were 711 members of the Assoc. registered. So you see, we were not in considerable force. It is exceedingly pleasant to meet and become acquainted with scientific men of whom you have heard, or with whom you have corresponded, and the social part of the club & the Assoc. is a very helpful enjoyment. It was to me, it was a matter of great interest to be in the city of Buffalo, which I had not been for

of called. But it is no proof of [illegible] between T. major Gibbsia & other species of the same group — Cf. Scars of T. Gibbsia root, & roots of other principal species. I am not sure if there is any other difference between Gibbsia having the compound folds. I only know that on two bottom T.s. can always be easily distinguished by this mark. They may also be distinguished usually by the roots always, by the roughness of the two sides. T. bot. having them found in many cases, & T. major separate & clear by the color of the fruit. Gibbs., T. bot. being fruit bank & T. maj. being a light brown when ripe. There are also some more little distinctions in the fruit and seeds which I hope to point out. — But there is room in the West which some among these more shining distinctions, and I am studying them. — I hope you may find some of the [illegible] species of Mong. Mingle & me, but we know what you can do. Kind regards to Mrs Sears. Hope you both are having a good time.

Yr truly Thomas Morong.

Ashland, Mass. Aug. 20 1887

Mr. T. Sears.

Dear friend. I received your card, as usual, enjoyed it exceedingly much. I noticed somewhere upon the "rocks, earth" and spirits of turpentine" as it rained here from three days in succession. Cleared away yesterday, however, and my Sol. School had a picnic at a beautiful pond about 8 miles from here. About all my enjoyment, however, as I consider such things, aside from professional duty in the matter — rather stupid) consists in collecting some specimens of species similar from the borders of the pond. I am coming to the conclusion that Angelman's statement

old name lists to people, one which can only be called S. simplex and the other either a distinct species or var. plicatum. I find this type, v. Nattolli + v. subsolitum all running into each other in every direction, and impossible to refer to on the present print in the Manual. I can point to real specimens which will suit the three descriptions in one or more particulars, and then of another which will suit them all in some other particulars. About as well base divisions of genus on colour as on size as on the length of the stigma in S. simplex. What will you do when the very same plant will show you a stigma varying all the way from ½ the length of the style to three times as long as the style?

I (am) sorry neither to have seen you if I could obtain the favour dictated by the Town and Condition of the Roads & be assured that we will not while and we think of them as one. But you certainly would not wish that I should write for Britten and Holland mosses, Hedwigia tomentosa + H. ciliata, Grimmia Doniana, Orthotrichum Lyellii, Rhabdoweisia, Weissia Wimmeriana, Pohlia Wahlenbergii, Tortula aciphylla + Schistostega osmundacea. If you have all these and I thought you would like a list I could send them and hope I may get them for you.

The problem is a good distinction in its simple or complicated phases between Tyrtum latifolia + T. angustifolia. The genus T. latifolia includes

Ashland Mass. Sept. 5. 1887

My dear Mr Deane

Yours of Sept. 2 is at hand. I am glad that you are enjoying yourself so immensely at York. I have no doubt that every day is full of pleasure to you.

I enjoyed your sketches of Veratrum in flower very much, and it is that which leads me to answer your inquiries immediately.

It is surprising that you found that plant in flower so late in the season. All Nantucket I hunted in vain for the very early flowering state. It had gone into early fruit. And I have always found it so

[illegible] pound with fold [illegible]
before that.

Of course I am [illegible] by
its influences, but I have
written very much to order &
[illegible] it with the prominent
flowers in them blue. Now
what upon be kind enough to do:
Paint for me a [illegible] in deep
flame ~~Scarlet~~ feather with the
shading & the flowers in delicate
pink white then I have my
[illegible] in the fresh state?
Cut off the flowering stems one
inch or two & the leaves above
the feather, & enclose them
in a [illegible] packet [illegible] that

flowers up in a little [illegible]
or stiff paper dampened with
[illegible] water, & enclose them
closely in the [illegible]. Mary will
[illegible] safely, I have no doubt,
as I have had many things
[illegible] for me many years.
I can place it here upon [illegible]
[illegible] in the book. Then will
[illegible] its fresh [illegible] tints
being [illegible] the flowers. The pink
flowers you have [illegible] [illegible]
at the leaves not [illegible] [illegible]
producing the [illegible] in a kind of
[illegible], which finally becomes like
a [illegible] withered head with [illegible]
and [illegible] [illegible].

Shakespeare you will [illegible] [illegible]
[illegible] [illegible] water, but in [illegible]

what you might from me, in of what I should or how I should begin for you, & remind me lots of botanical things hanging on my mind. I am liable to for you.

Please bring with you when you come the articles of Nov. Encyclopedia I loaned you: and if you have a copy of Sprague's catalogue of N. Am. plants, please lend it to me a little while, as I am not so fortunate as to possess a copy.

I have had some very interesting correspondence lately with several Spanish botanists of [illegible] S. America. Mr. [illegible] who has been also working in Chile, and at last I have the prospect of getting a lot of S. American plants. Mr. Ravenel whom I met in N. York, just home from a collecting trip in S. America, gave me all the signatures he collected. How many do you suppose? Just three!! Aquatics seem to be of no account in the estimation of botanical collectors: & yet there is a world of splendid [illegible] in S. Am. Yours. Thomas Morong.

Ashland. Mass. Sept. 7. 1887

Yours of the 6th reached me this morning. The flowers of Wooten are just what I desired exactly. as they are in all stages from the stigma bearing to the withered pist. flowers & very young fruit. I am greatly obliged to you for them. It has enabled me to put in pres the different stages of the inflorescence, & this is what I particularly wanted.

I shall be at home, so far as I know, every day next week, except that it is possible I may go down to the Bot. Gardens one of them.

I will give the choice of Wed.,

Thursday or Friday, as you please, me or more. You won't get any meals here, however, if you do not come up till the train which arrives at 12.15 — but you had better take that train for the convenience of it.

I do not know (as yet) how long you are staying here, ~~for the week of the week~~ or the first of next, but if you return this week, I should say come up here next Monday, or that is if all the days of the week the most convenient for me, & failing that come up on Tuesday.

Flo will leave me free to go & the Mitchinsons on Wednesday or Friday or may be most convenient for me. I do wish Bibi & Jane knew on Monday as I have a social meeting in my chapel on the Tuesday of that day, & Lily & he are free & invisible; one on Saturdays, so I wish to reserve all my strength for my Sundays work.

So I will be at your disposal Monday, Tuesday, Wednesday or Friday, as you may elect. Then will see which.

Yes I should like some fruit of Alexandria variety. And also some fruit of Vilmorin's make, if you happen know any. Duplicate Invoices from Newchurch.

I have a number of things for you from the Penny Bank distribution, though not so many as I could wish.

You must remind me for my

Ashland Sept. 9. 1887

Card received. Monday will be perfectly convenient for me. Will expect you. Train leaves Boston at 7.15 a.m., reaches So. Framingham 7.54 & Ashland at 8.04. - not stop at Newton. Take the train just before that wh. leaves Boston at 6.45 a.m., leaves Newton at 7.06, & reaches So. Fram. at 7.43, only 11 minutes before the other. Change at So. Fram. where this train ends. - This if you wish to come via Newton.

Yes I got the bottle of Worcesters all right. Thanks. Don't think it necessary to get up so early in the morning on my account, tho' I shall be happy to see you at any time

Very truly yours

T. M.

Mr Walter Deane

~~5 Brewster Place~~

5 Brewster Pl Cambridge

Mass.

Ashland, Mass. Sept. 10. 188[illegible]

My card of yesterday may have travelled to Me., so I write again.

Shall expect you on Monday, Sept. 12. If you come via Boston, take Fair leaving there at 7.15 A.M., reaching A. at 8.04. This does not stop at Newton. If you come via Newton, take the train which leaves Boston at 6.45 A.M., & Newton at 7.06 A.M., reaching So. Framingham at 7.43, just 11 minutes before the other train. Change cars at So. F. The best route will probably be most convenient for you, via Newton. But if I do not see you at 8.04, shall expect you at 12.15. Next train leaves Boston at 11.05 & reaches here at 11.26.

T. M.

UNITED STATES

POSTAL CARD.

ONE CENT

NOTHING BUT THE ADDRESS TO BE ON THIS SIDE.

Mr Walter Deane

5 Brewster Place

Cambridge. Mass.

(Not to be forwarded to York Harbor. Me.)

Ashland, Mass. Sept. 14, 1887

My Dear Mr Deane

I think I will not come down to Cambridge this week, as I am engaged today & tomorrow. On Friday next (Sept. 16) I shall take a botanical trip to Hopkinton & Woodville in search of a Sparganium (S. simplex v. fluitans) of which I have got track through Dr Lucas, who found it in this locality two or three years since. Hopkinton is right about on a line 3 or 4 miles by rail. Hearing that Prof. Lyon was to be at the Ware Pond from Boston connecting with the first train at Ashland for Hopkinton on Milford R.R.

Now if you are making this, you should be tempted to go, you can come up in the AM on Monday, and you will find an easy way to get right on with me to Hopkinton (& the Ware Pond, &

other. I hope you will read, in that case, to take a little luncheon with you, as we should have to start very early. The return train leaves Hyde Park at 4.15, connects here with D.L.&W. train & reaches at 4.41 P.M.

I have no idea that you will feel like going, with so much to do, & about this to come at hand; but I thought I would give you a chance if you did care to go. It will make no difference one way or the other at all, except that I should be glad, as I always am, of your company; & you need not think of coming out of politeness, as I am going any way. I should be at my best at that dinner in any case. If you come, I shall see you; if you don't come, I shan't see you — that is all there is to it — so please don't feel it necessary to write or telegraph.

My letter is principally intended to let you know that I shall not come to Garrison's at present. It is possible that I may go to Albany on Friday. I may not go. I should come, I will call at your house on my way to the train.

With cordial greetings

Yours sincerely,

Thomas A. Edison.

Ashland. Mass. Sept. 17. 1887

My dear Mr Brace.

I return the labels signed herewith. I went on my tour, as proposed, to Wendell. I had a special object in view, and that I accomplished. Went to investigate a certain Sparganium which grows in whitebelt bond. It was sent to me in the Mill River Institute collection as S. simplex v. fluitans, and I much desired to ascertain whether it was that var. or not, & to get specimens for my collection. I found the plant in great abundance, and learned a world of things about it — some things in which I was disappointed, & others in which my studies of that genus will be much enhanced. The plants in bottles with

[illegible] on the stem, & dry them in that way. I think that better than to keep them whole as most botanists do. Of Sparg. simplex, I have a great abundance (except of the sub-varieties, v. fluitans & v. androcladum) for specimens / Of S. minimum I want a number of good fruiting specimens. New Marlboro Pond at Ashland is full of the plant, but strangely enough this year not a plant has formed blossoms! Two & three years since, when I was at the pond in August, I could have collected a bushel in good fruit. Potamogeton pulcher, also, has disappeared from the same pond, where it was once abundant.

Your school I presume commences this week. Well, you are all ready for the grind — in good health & spirit. I wish you much joy & success in your work.

Please give our kind regards to Mrs Brace.

Very cordially yours. Thomas Morong.

bore no flowers at all, ~~[illegible]~~ nide &
had no stems above water, but sent
up very long (3 – 4 feet) leaves that
floated out upon the surface. Near
the shore, they had very few submerged
or inflorescence, but quite terrestrial,
widely branching, many headed, like
S. cuspidatum – and in the edges
of the water & on shore the plant
stood erect, stiff & short-leaved, ex-
cept Spruce, similar to the typical kind.
There was no S. fluitans about it, but
a very curious transition from the
shore form to a floating form, with
all the intermediate stages. It be-
comes evident how the float-
ing forms are developed, & I can
now see with how much reason Dr Engel-
mann lumps all the different forms
under S. ~~[illegible]~~. The plant is quite
like ~~[illegible]~~ and with the same

stems in water or on land, ex-
clusively. And yet the general
vein variety is not the same as the
floating plant which I sent – only
a fourth developed – and doubt-
less on its way in process of passing
from a land to a water plant.

By the way, I want one thing
highly valued point of Spruce's com-
pass. At pres. I am quite near –
in sight – on the borders of Brazil
proper – at the last place we
collected that Cyperus Engelmanni.
Can't you get me half a dozen
good specimens? You know,
perhaps, that the fruiting heads
when quite mature, become very
compact and hard, almost as
solid as a large marble. Split
these heads in two, so as to leave

Ashland, Mass. Oct. 5. 1887

My dear Mr Mann

Yours received. Many thanks for the selection of Upsey Range cuttings. They were very fine indeed, & I hope it will not be long before the numerous enquiries which have lately been made to it.

Looking upon upon myself I have visited the Heathens & can have any day this week & may be agreeable to him, and I shall be looking to hear from him what I had to the Potter business, as it is quite absolutely necessary [illegible] I can [illegible] he has [illegible] Monday from [illegible]

very copious in the rains. After his native care & refusal of my application for the loan of Engelmann's Type Specimens of Typography, I do not care to write to him directly; and yet I should like to have his remarks of these two Orders.

I am hoping [illegible] Stanton Sunday before long & [illegible] a day there. I want very much [illegible] a matter which I have in mind, but have not yet had an opportunity of doing. What if I were to run over & see you next Monday the 17th? Say next Monday, how would that suit you? Do tell me frankly, without the least fear of any hindrance, if your actual matters require you absolutely to be home, & whether I should in the least degree hinder you. I shall understand the matter perfectly, if you would rather have me wait. I should like to consult you upon various matters connected with the Printing Association, but actually unwilling to hinder you in your [illegible]

With kind regards & Mrs M.

I am very cordially yours Thomas Mann

minimis, in differences, & different
stations for D. Todmanthi all these
are, at least, what he hardly determined
on these [illegible] for me. I will say
that I see much difference between
them. However, I believe that I can
distinguish without much difficulty all
the varieties & Todmanthi, & some
forms of difference & [illegible]
me. If I may then take [illegible] at
different times, the [illegible] [illegible] the
difficulty, so I am persuaded that
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible]. I am inclined (or
would be inclined, if I be [illegible]) to
[illegible] anything [illegible] [illegible] I believe
that they are all only forms of one
aggregated species; & [illegible] may
[illegible] into the ancestral form.

I would be very glad to help the [illegible]
but I wish little money & pay in
studying these forms, & I work very
hardly of the whole matter.
A few [illegible] [illegible]. Prof. Tryon,
[illegible] [illegible], just received, that Prof.
Wm. Tryon, has just published in
the Proc. Acad. Phil. a revision
of the American Unionidae, &
if I remember rightly, he also
published a revision of the [illegible]
genus. Have you any means
of getting copies of these works?
or your correspondence with him?
If so, & if you can get some
copies of one or both, either
free or for pay, I wish you
would do so — & I will pay

Ashland, Oct. 7, 1867

My Dear Mr Dean

Thank you very much for your kind acquiescence in a visit from me next Monday. I will probably reach your house about 5 or 6 o'clock Monday afternoon. I have some errands in Boston which will probably detain me the whole day; and some friends with me to visit Mrs ~~to~~ the Mechanics Fair.

I will take next day, Tuesday, to go over to the Sundays. Mr Hawthorne came up here on Wednesday, and spent two days. He rambled about our

the fields & woods as far as we could go in that train, & behind it the Pennines in plenty, & hunted after A. Trollope's book & did not find it. Although for many pictures that you see, I am not at all sure that our poem is what you see there? I know what it is. If I have my breakfast, you shall enter, but one. Then it is a very fine one. I wish he only had been stuck longer.

Many of us are reading Trollope & shall be stuck.

Very best yours
E. Lucas

Thomas Hardy.

most heroic collectors, as they are Jaunka, who are frightened of the water! Fancy so - "frightened of the water" indeed! Think of Rusby going to bathe Tobatinga, & bringing home many 2 acres!

Mr Bennett, my English friend & correspondent, complains in the same way & says that So. America is the only country in the world from which he cannot get specimens of Actinomycetes. I know an botanist in Buenos Ayres, another in Monte Video, another in Rio Janeiro & another in Santiago, Chili, & although I have had promises from three of them, yet I cannot get a specimen out of them. Dr Allen & Jno Donnell Smith have sent parcels to some of them, & not a flap in return! Those Yankees & Britons in S. America are a set of imbeciles! Their wives, &c. &c. certainly go mad, a good proof of that, & as we shall expect nothing better in Nat. Science.

There, my ill nature has all evaporated in ink, and now I am ready to shake Spruce's & Dr Rose's treacherous hand, & go on as botanical apostles up the Parana with them! Kind regards to Mrs D. - pleasant remembrances of her hospitality. Yrs. as ever, Thomas Morong.

Ashland. Mass. Oct. 25. 1887

My dear Mr Deane

Yours of the 23rd inst. is at hand. I trust you will succeed in interesting Mr Kennedy in my project, for I am more inclined than ever to undertake it the more I think of it; & if the means of carrying it out are obtainable, I shall try to start by next Spring or Summer. My Captain & his wife have just returned from the Rio de la Plata. Had a splendid voyage, I understand. I have not yet seen him, but expect to do so soon.

Mr. Thaxter (Cayan, I mention) a copy of his memoir on Dimeaceae, & the other work on Fungi.

Entoleuca 3", which you speak, I have not received.

I have been afraid of busy as I could be with my Typhaceae work. I think I have almost finished my observations in Glamorgan, & was ready to start on an action for the press; but I have yet to deal with Typha, in which, however, there will not be half the work. If I had all that immense area of S. American water-plants, and all the Typhaceae which are in it in my Herbarium, what an addition it would make, to be sure! Perhaps I ought to be thankful that I have not; still I cannot help thinking what a splendid addition it would be! Only think of it. So. America contains 7 millions of sq. miles and the Amazon & its Tributaries alone drain one-third of this vast area! and the Plata, Paraná & their tributaries one-half of another third! There is no country in the world which has a tenth part of the water system that S. Am. has. What a world of aquatics must be there, & scarcely a botanist to pattern them in. I have been very much amused lately by some expressions used in a letter of a German botanist. I wrote to Prof. Reichenbach of Hamburg, to see if he could get a collector who had been through So. & Central America to make a donation to our Herbaria. In the course of his answer he says "I have a long experience behind me, and have always found that the aquatic botanists form an especial group. There are some of the

P.S. You might say to Mr Kennedy that I should be glad to come and see him, and explain my plans to him. if he feels interest enough to hear about them in full. I am more of one thing - if I can have the opportunity. I should make a collection worth talking about! It would not be made up of scraps and ends that tantalize the botanist to look at, - like so many others. I have learned by my own experience what a botanist wants. When I look at the specimens sent me by the Rocky, actually I cannot make out what they belong to, because the pieces, - they are in such a dissipated condition - nothing but "herbarium hay."

I did not speak with Mr Kenny, and do not know what he would say about the matter, or what advice he would give. If you know of any man in your circle of personal acquaintance whose aid might be secured, please speak to him for me.

Newspaper financial help, such help of other kinds would come into use, besides [illegible] to procure work in Mrs Lyon's sketches & Mark Twain's work. Suggestions as to starting in Sales, & modes of living, from all, collecting &c. would be useful.

Stocks of materials, - Drying paper - Stereotype - South American Notes. If you [illegible] - (as) a Spanish grammar & dictionary &c. - see these will I may.

Excuse me for inflicting all these letters upon you: but I know you will take an interest & assist & [illegible].

Many kind wishes to Mrs Deane, & all. Will you kindly present my best regards to Mr Deane & tell him I would like to hear from him.

With many kind wishes from
Yours sincerely
Thos Nelson Page.

Ashland Nov. 5. 1887

My dear Mr Deane

I received your postal by due course of mail. I am much obliged for your effort to see Mr Kennedy. For some time he seemed to be capricious, but perhaps he can be coaxed when his veterans, - if ever will be so good as to keep watch of his movements.

I have now made all the necessary inquiries, and find that I can arrange for my friend Capt. Gray, in the good ship "Nahum Chapin" to the Rio Plata early July or August. - I could wish to be ready before. I should much prefer to do so, but, of course, it depends mainly upon whether I can get the necessary funds or not. If I find that I can [illegible] without much trouble

and with my host in Chile. The U. S. if not get completely through the ports to the it makes their food an better value; but the contractors (an English one perhaps) have been at work upon it, & very likely it will be finished before I arrive to see it. If not, I shall have the latter opportunity to make collections of Cruciferous plants. I find I can go up & down the tributaries of the Parana, the Uruguay & the Plata rivers for the most of the year, and (so far as I can see from this side) there will be a good opportunity for collecting both aquatic and terrestrial plants. I do not see why, if my health continues good, I could not collect a thousand species easily in the six months from September next to May (Summer in So. America, S. hemisphere).

I shall not write more now as $500. stop my $600. I enclose [illegible] of the

great number in how can I spend the money? The first expenses being railroad fare, $100 - $150, & [illegible] would be only 10 or 12 days - and our Chilean collectors will have always as much as that. The house charges $5 or $6 a week for board & lodging therefore: & I should expect my specimens to be worth [illegible] husband, and many of them are more valuable as [illegible].

I enclose also letters if they can do anything at the Pat. Office & help [illegible], & has said that there are no funds which could be used for that purpose. Do they mean by showing? I suppose she can procure letters, but better to have a letter written to off an investigating or collecting tour. Do they go at their own personal expense?

Bowed me off so thickly when I suggested that Cambridge might render some aid, as I should have preferred to be in cooperation with Dr Gray. But as it is the Torrey Herb. will get all the glory & work for the benefit of the expedition. The determination of all the new plants (if any) will come from the Club, & all the collections, that is, the fullest sets, will be in their name. Should my plans be carried out, and everything promises success now, it will be a feather in Columbia's cap. But there, Harvard, & the Bot. Garden & the Gray Herb. will have as many examples as it is.

You will please not speak of the financial arrangement to any one under it be Mr Brace & Mr Kennedy. They are communicated only to the Club, & will not be published. It will only be said that I go mainly in the interest of the Torr. Bot. Club.

Can you do anything towards securing me a Sprinkle Dynamo, motor & dic-

Ashland Nov 14. 1887

My dear Mr Seaver

Your card was duly rec'd. It is now definitely decided that I shall take the proposed trip to the Rio de la Plata, and if all things go well, you may imagine me somewhere between 10th of June & 1st of July next steering N. Eng. behind me & bound for the equator. I shall go under auspices of the Torrey Bot. Club, & largely in their interest, all my first set of collections going to one of their members & that body & its Herb. They agree to advance me $800. and take the risk. This will not be quite enough for my purpose & I shall want $1000. to accomplish my plans. As there will be opportunity for the

Kennedy, of whom I left a letter
$200. The matter is by no means
chimerical as the money value of S.A.
collection has just been satisfactorily tes-
ted by my friend Dr Busby, of whom
perhaps I have spoken to you. He made
a trip last year to Bolivia, Chili and
the Andean regions, & made collections
of the mountain plants. I do not know
just how many species he collected,
but he informs me that he has already
sold $1500 worth! I was astonished,
I confess. I am told by my friends
of the Tour. Bot. Club who are visiting
Dr Busby in the identification & sale
of his specimens, that if I bring
home only 1/3 as many as Busby
secured they will fetch at least $2000!
So you see, they are pretty near
in striking it that ~~occupancy~~ business
as I expect to have my life insured for
them protection. Also you may depend
upon it, that if I get anything at all
I shall make good specimens - specimens
that one can study with some degree of
satisfaction. I find that I should
have command of two vessels which sail
directly from Boston, twice a year,
to the La Plata, the "Nathan Chapin"
in which I expect to sail, and that
of my Captain's father, which is
employed in the same trade. So
I shall plan to send home my collec-
tions as fast as they are ready, one
by each ship. This will give me a
grand chance, won't it? Don't
you wish you could go? I'd give
all my "old brass" & a handsome
Christmas present besides to have you
do so.

I am a little sorry that the Nathan

tionary? I shall be compelled to learn & speak that language in S. Am., as there are but few Engs like speaking people there, and they mostly in the cities. If I could get a second hand copy of a pronouncing & conversation book, I should like it. I found a "Knapp's Span. Gram." at Ginn & Heath's in Boston, but they wanted 1.50 for it, which I thought was pretty steep, and as I am not on the saving plan, to get money to pay offenses of my family, I thought I would try elsewhere. Perhaps, however, that is the best I can do. Oh dear! I want so many things! I believe I am real avaricious, & never had enough money when I got it, but when I think of the many things I could do

for the advancement of science & truth if I only had the means. I do long for enough to enable me to do what is in my mind. But it is a comfort to think that it has always been poor men & men of moderate means who have done the most for the world's welfare. Riches & the very possession of wealth take away the vigor & the desire for usefulness.

Have been studying the Typhas of Brazil Herb. & find among them one from "Province of Buenos Ayres" contributed by Mr Rabb. It is labelled T. angustifolium. L. But, if I am any judge, it is not that sp. by any means, but one which is probably new. Certainly one which I have never seen before. I think here a chance. I hope, to collect that for myself next season. Mr Greene's so called new sp. "T. bracteata," from Santa Cruz Is. turns out to be T. dominguensis. Pers. a west Indian & Mexican species. The Typhas are beautiful things to study, there is so much that is curious and interesting about them, but we are obliged to have both male & female spikes, young and in fruit in order fully to make them out. With kind regards to Mrs & yr. I am

Very cordially yours Thomas Morong

Ashland. Mass. Nov. 19. 1887

Received the books all right. They are the things wanted. and I hope it may be a good use of them.

Had not the least idea of getting them as a gift but am sure so much obliged notwithstanding -

F. A. W.

Mr Walter Deane

5 Brewster Place

Cambridge - Mass.

If, at the latest, in that I should
have to retire from that station.

I find the Spanish very easy, you
see I practised this latter very little;
except that Spanish, one is quite
different to one who knows the Italian
It is very tempting to read, but the
trouble is to keep the words in mind
as one goes on it. I should not
decidedly make much progress in that
like I got when Spanish only in question.

We should be delighted to see you
here at Christmas, and hope by
this means that you will manage
If your friend can spare you at
that time, I am for myself quite
ready, we should consider it a treat.

Hoping first with good wishes,
I am to Capt. Lucas & Mrs Lucas
with Lady Lucas who is [illegible]
from him for a good while.

Miss Nash was here last
night & Mrs Nash, Tell her
that a "Christian" must expect
not to be disappointed, when he will
joyfully find that many of the Saints
are only Sinners. He must
look out for the wise Virgins too first
sight. I find that the tendency
of old stocks of particular [illegible]
has more than moments difference
like they get comprised in to one
picture of Monasticism, and Nuns
seem infinite sheep seeking.

I hope you like and Susan is
[illegible] today in Piccadilly, Rain
and be sharper afternoon. It is
quite cheerful that it is warmed
by [illegible] Harriet. Give the

Ashland. Mass Dec. 12. 1887.

My dear friend. Yours of the 11th received. I am not much surprised to hear of Gray's condition, as you know I learned of it beginning, and I know how serious even a slight shock is to a hard brain worker. But I confess that I am astonished and much grieved to learn of the insanity of Asa Dodge. Why, the boy fellow appeared as well as usual the day I was at the Garden, & I had quite a chat with him, & named Asa Thompson's & Spaguia at his request — in fact, he had prepared some of his collections for me to bring home with me.

It is indeed very sad to know that Gray will do no more botanical work even if he lives. We shall miss him beyond all account. His knowledge of Phanerogams was wonderful, & his skill in defining & distinguishing & grouping was something marvellous. The whole country will deplore his loss. I cannot help hoping that he may get in restored to some degree of health, even if his powers should be greatly lessened.

I have been working pretty vigorously at my Typhaceae book — most of the first sheets I shall see Typha today. Perhaps Miss Britten may get the whole one Coste genera in the Journ. one of the Bank, as it is sent to Lotsy for the rest.

Writing next to the Linn. offices. My Capt. & his family, in the "Nelson Chapin" sailed for the States on the last day of November, & if fine-found, will reach the shores of the Union in about two days.

Prain) a letter from me (with the other boy saying that the pack of 'Chili' plants collected for me by other friends had been distributed on the way Homewards (mostly to cross from Kew, it would probably receive here about the Spring of Spring. Here also (and from Kew, England, regret that they would take an set of plants and price £3 a century for them — that is £1 a century more than Britten proposes to pack. They understand, however, that they are not to have one more set than Regulations plants, of which they have received not. Have had all sorts of propositions about collections in Bot. Mus. — am asked to collect Diatoms, Sponges, Algae, Mosses, Fungi, Lichens, as well as Chemistry & Physics again. Don't I have my hands full if I do it? It will require five years to do it, and at my time of life, I can't spare 5 years for such a purpose. Shall expect you here during the Xmas holidays. Please notify me a week beforehand. With kind regards to Miss Green

I am very cordially yours Thomas Morong.

Ashland. Mass. Dec. 24. 1881

Shall I have Bobby to see you on Monday
Dec. 26. at noon. or at any time.
But as you usually come at 12.15. shall
look for you then.

Compliments of the season.

Yours truly

F. A.

UNITED STATES

POSTAL CARD.

ONE CENT

NOTHING BUT THE ADDRESS TO BE ON THIS SIDE

DEC 24 MASS.

Mr Walter Deane

5 Bowers Place

Cambridge. Mass.

Ashland BOSTON MASSACHUSETTS, Jan 4 10 1888

My dear Mr Deane

Your various letters, postals &c of late have all been received. I have been trying to look 15 ways at once, & so unable to look towards 5 Brus. Pl. Can bridge with any thing more than longing.

Enclosed please find the label which you sent in Dec.

As to Chara cinita. C. cinita, type is not found on Nantucket at all. C. cinita, v. leptosperma A. Braun was the plant collected by us in Cockaty Pond. The plant collected by Mr Collins at Setauchacha Pond was the same. You remember we saw some of it in that pond.

I am very much obliged to you for the great pains you have taken to see Mr Kennedy for me. I hope he will give me a liberal lift, for I am quite anxious to do So. Am. up effectually, and men of means must help or I cannot go. I am afraid from all that Ruby

has been writing to me that the trip will cost me much more than I have been calculating upon. What will be the best way for me to approach Mr K.? He has not written me, and I am a little afraid to broach the matter to him without some kind of invitation, lest I should seem intrusive. I wish I could visit him and hold a conference, so as to put the whole matter in and out, before him. I am a little afraid, also, that he has spent so much recently, a hint of poverty might have reized upon him.

I hope your father will give me that letter of which you spoke to Dr Gould. Can you find out for me when I should be most likely to find Dr G. at home, and just where he lives in Cambridge?

I think I shall carry out with me to S.A. as large a parcel of our American plants as I can put up as a sop to the botanists of Arg. Rep. and Uruguay. Can't you do something for me in that line? You know any, even very common, American plants will be regarded as rare out there; and many and all duplicates you may have on hand will

do for this purpose. You need not hurry at all, however, in putting these up, as I shall not need to pack them before April or May.

It must be terribly trying to Dr Gray's immediate friends to sit and look on helplessly while he is slowly dying. Mr Watson, I presume, is unable to do any work in his state of anxiety. I left a plant of Pringle's collection with him the last time ~~which~~ I was at the Garden which he promised to determine, but have heard nothing from him. I presume he has not looked at it even. And my Spergamic labors are taking all my spare time, so that I cannot go into Pringle's new species. Pringle, poor fellow, feels the loss of Dr Gray's knowledge and help very severely. Greene, too, says he is now precluded from giving any further explanation of his difference with Dr Gray, and must endure what he calls his grievances silently. — Macoun

writes me that he is pushing the last part of his catalogue along very rapidly, & has reached the middle of the caries. He hopes to have it in print by next May. I hope to see it before leaving home, but fear I shall be disappointed. It is a great work.

You tell me nothing further about Sukes-Darf. I hope he is getting better.

Please convey my best wishes to Mrs Deane.

Very truly yours

Thomas Morong.

but I am doubtless aware of
Miss Notaro's Genius.

Upon receiving your proof
I send the letter on to
Typhus Stage to — with what it
if that I now think of
when I see you.

Very truly yours
Thomas Moore.

Ashland. Mass. Jan 26. 1888.

My dear Mr Howe.

I wrote a long letter to
Mr Kennedy last week, but
have received no reply. Could
I have misdirected it? I
sent to Mr Eno S Kennedy,
Readville. Mass. which
I subscribed to his address.
I told him frankly all the
circumstances, and what many
I needed. I am afraid he
was frightened, and hesitated
to speak his mind. He need
not be, as I have not been
over-hopeful of aid from him
from the beginning. If he should

refuse to do anything, he has a perfect right to do so, and I need not hesitate a moment to speak. Perhaps, however, he is away from home, & has not received my letter.

I write now particularly to say that Prof. Ewdale writes to see me, and that I have just written him to say that I will meet him at the Botanic Garden next Monday morning at 10 o'c. Unless he writes to change the date to Wednesday following, I shall come down. Now it occurs to me that we have a late train which leaves Boston at 6.30 P.M. and that by staying in Cambridge for that, I may see you a little while. Or if that is too early for you, I can go to Boston & start for home at 9 o'c. P.M., - get a carriage to meet me at S. Framingham. Please say which. Oh! rather, of course, get home by the 6.30 train which comes clear through, if possible.

I want so much to see you. Could I not do that also on Monday afternoon? You have not yet told me where to find him,

Oakland. Saturday morning. Jan 28.

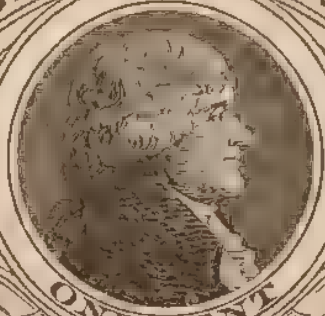
Having heard nothing to the contrary from Prof. Goodale. I shall expect to come down on Monday as proposed. I think you had better come and meet me at the Bot. Garden as proposed, and then we can walk down to Dr Goulds as you suggest. if equally convenient to you.

Very truly

T. M.

UNITED STATES

POSTAL CARD.



ONE CENT

NOTHING BUT THE ADDRESS TO BE ON THIS SIDE.

MASS.

Mr W. Deane

5 Brewster Place

Cambridge, Mass.

Ashland, Neb. April 31, 1888

My dear friend

I must drop you a few lines to tell you a bit of news. On reaching home last evening, I found in the P.O. a letter from old Kennedy, in which, after a very kind comment on the tenor of my last and my comments contained therein, he proceeds to contribute Two hundred dollars on the undertaking! So, you see, it has some grumbly, after all. Now when I get hold of $200. more - making my actual sum in hand $1200 - I shall not say, and be

feel that I am incurring an unreasonable risk.

I think you will be as much pleased with Mr. Constable as I, since you have had so much to write the matter. Mr. K. speaks of coming up here to see me when his fears of Cromwell has abated a little. I have written to him that perhaps you would come with him on some Saturday, if he would give you timely notice. You know that it would give me great pleasure to see you.

Very truly yours,

Thomas Moore.

Ashland. Mass. March 2. 1858.

Mr W. Deane

Dear friend

Your last note reached me a day or two since. I have delayed answering hoping until today that I might visit Cambridge on Saturday (tomorrow) - I am waiting for specimens of a certain Nymphaea (or Castalia, if anybody prefers) from Minnesota, which appear to be new, & which I wish to compare with plants at the Bot. Garden. Mess Gray promised some time since, and I expected to write down to Dr Gould to make an appointment with him at the same time when I should receive them. But they have not appeared, & so my plans for Saturday have been frustrated. I shall, however, write to Dr G. as soon as I get them for

another interview.

I am very glad that you were persuaded to write a biographical sketch of Dr Gray. No one is in a position to do it better; & you will well represent the feelings of the younger generation of botanists towards him. — I was very sorry not to see the Asa Gray Memorial Meeting, but was not feeling quite well at the time. I also thought that the place would be so crowded that my absence would not be at all noticed. I feel the loss just as much as though I had been present.

I am expecting to make a visit to New York a week from next Monday to confer with Dr Rusby, & others of the Committee. Shall stay, however, only a few days. I am expecting to resign my position here next Sunday. But know what my successor will do with it.

Please give my kindest regards to Mrs Greene.

Very cordially yours

Thos Meehan.

Cleveland, Mass. Mar. 12. 1888

My dear Mr Deane

I have read your Art. on Dr Gray with much interest, and am glad that you wrote it, as it comes from a different standpoint than that which an Asa Gray associate would have occupied.

I have now just received the Nymphaea material for which I have been looking, and plan to come down to the Garden next Saturday, March 17. I shall write to Dr Gould today and make an appointment with him for 1 or 2 o'c in the afternoon

if that will suit his convenience. May I not see you also?

I am obliged to put off the visit till next Saturday because I am going to N. York today & may not be home till next Friday P.M. – but possibly on Thursday. I should be glad to hear from you on my return.

Things are hurrying along towards my So. Am. tour. I resigned my situation here a week ago yesterday, much to the surprise of my people, the most of whom seem very unwilling to have me go. But I think it is best for their sake, as well as my own.

Kind regards to Mrs Deane

Very cordially yours

Thomas Morong

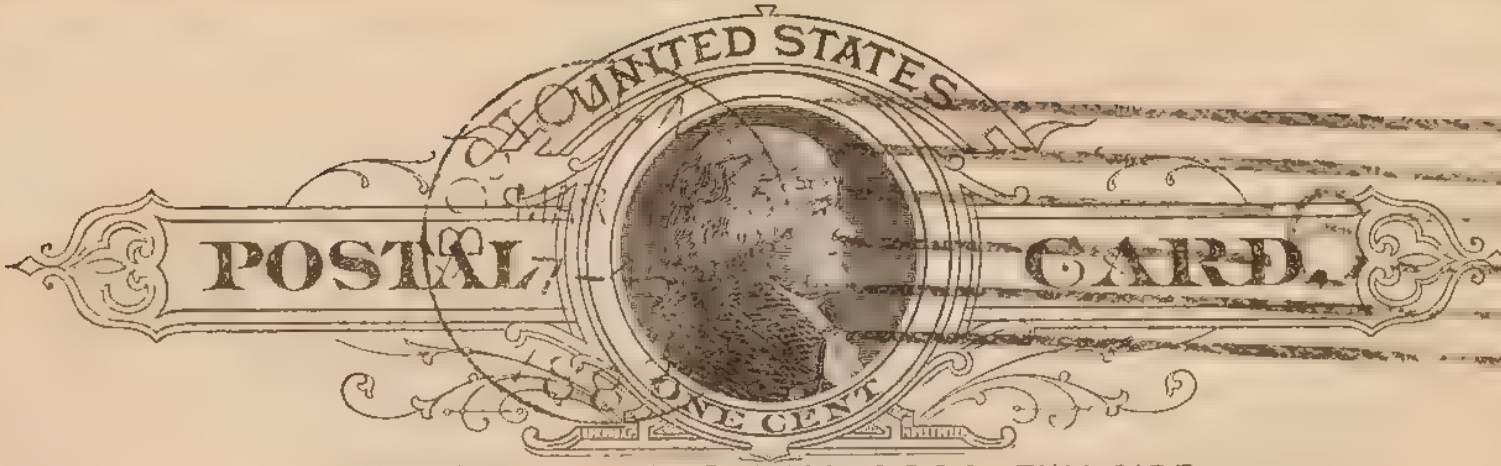
Boston Sat. Evening

Left both pairs of eyeglasses
with you.

Please send by mail.

Yours at the A Depot

written glasses. T. M



NOTHING BUT THE ADDRESS TO BE ON THIS SIDE.

Mr Walter Deane
5 Brewster Place
Cambridge. mass

Mar. 17
1887

Ashland. Mass. March
15. 1888

Was prevented from going to N.Y. by this awful storm. Expect to go next Monday. Have had a note from Dr Gould making an appointment with me for Saturday 2 P.M. Shall be down D.V. - Be glad to meet you if at liberty.

Yrs —

T. M.

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15 MAR

Mr W. Deane
5 Brewster Place
Cambridge
Mass.

Ashland. Mass. Mar. 16.

Am to meet Dr S. tomorrow (Saturday) at 2 P.M. Shall probably can the Garden about 1½ o'clock the appointment. —

T. [illegible]

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PHILA

NOTHING BUT THE ADDRESS TO BE ON THIS SIDE.

Mr W. Deane

5 Brewster Place

Cambridge

Mass.

my brother supplements special directions in a letter just received.

Dr Gould cutting is not needed even if his frigidity could be thawed out a little.

To turn to other subjects — Have you seen the magnificent volumes of Dr Engelmann's works edited by Dr Gray & Prof. Bibens, & and printed at the expense of the Shaw, * the Shaw school founder? If not, go down to the Garden and take a look. Prof. B. has done me the honor of sending me a copy. It is superb — and a handsome addition to my little Bot. library. — Things & times are going on fast for So. America. The time, however, is a little prolonged. & I shall not get off as soon as I expected.

With kind regards to Mrs G.
I am my dear yours. Thomas Morong.

Ashland. Mass. Ap. 14. 1888

My dear Mr Gray

I received your card all right, and on the reminder of it sat down at once and scribbled off my long-delayed, much-promised note for Mrs Owen's catalogue on the aquatic flora of Nantucket! But I fear me much that it is too late! altho' the promised to keep the places open for me to the last moment. In my letter I explained to her her alleged custom about putting short descriptions of characters from which her labels. — May are many peculiarities of form not distinctive enough to be called

varieties. It is a bad habit, as it adds nothing really to the specific or varietal characters, & had better be left out.

My trip to Mt Etna of which you speak was uneventful. I had pleasant interviews with all my friends there, attended a meeting of the Tony club, looked over many things in the Hubrecian, and returned home with a "state" which developed into a tremendous cold! Of the last, however, I am about recovered.

I shall not need our friend Dr Gould's letter of introduction to our Smith in Buenos Ayres who can put me into communication forthwith with the botanist Prof. Spegazini! I don't think that I need trouble our uncommunicative astronomer again. Prof. Gaultier writes me a handsome introduction to the U. S. minister at the court of the Arg. Republic, an old friend of his, who "will do anything for him". And he can take the pains to write to him beforehand about my coming, urging him to look after me, and help me all he can. So much for the difference between people. And my friend Dr Ruby, gives a long detailed account of all the particulars about climate, food, clothing, native habits &c, — to which

Ashland, Mass. Ap. 30, 1888

My dear Mr Deane. I shall visit the Garden next Friday, D.V. Shall not need to leave Cambridge till 8 o'c. P.M., to take train on B.&A. R.R. at 9 P.M. Will have time to visit you on your return home from Boston, if agreeable to you. What do you say? Now not put yourself out one particle — nor hesitate to say so if engaged.

Please write me word on receipt of this note.

Summer is here upon us all of a sudden, and vegetation is rushing into development — everything at once. Willows, elms, maples, poplars & skunk cabbage. Black birds, robins, blue birds & swallows have all come together, full mell. Fires (coal) are dropped, mitts put off, carpets up, spring-cleaning begun, farmers half crazy with so [illegible] kinds of work needed to be done at once — all topsy turvy in consequence of this sudden outburst of warm weather.

Regards to Mrs D. — Very truly yours

Thomas Morong

Ashland May 2. 1888

Will come to your house from the
Garden at 5 o'c. Sun. Friday
unless it rains in such shape that
I shall walk with Walt. from So. Framingham
to Ashland, at 9 p.m. Sat. doing. Expect me
if the weather is at all favorable.

UNITED STATES

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NOTHING BUT THE ADDRESS TO BE ON THIS SIDE.

12 MAR

Mr Walter [illegible]

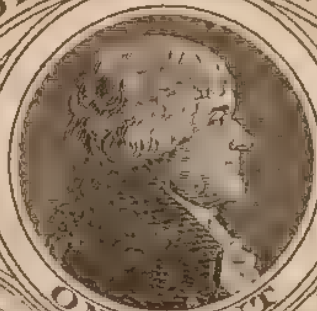
5 [illegible]

Ashland, Mass. May 23, 1884

Dear Mr. S. Your card received. I will go to Readville, as proposed, in 2.40 P.M. Prov. R.R. train next Friday. Can't you come on a later train? Hope you will, by all means if possible. Much obliged for the favor done.

Very cordially T. W.

UNITED STATES



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NOTHING BUT THE ADDRESS TO BE ON THIS SIDE.

Mr W. Deane

5 Brewster Place

Cambridge, Mass.

Ashland ~~BOSTON~~, MASSACHUSETTS. May 26 1888.

My dear Mr Deane

If I remember rightly you said yesterday in the course of the conversation concerning botanical books that you thought you could procure a copy of that work which I was examining at Dr Kennedy's, the large, thick, single volume, translated by Hooker from the French of Decaisne (I forget the exact title) I think it would be an excellent thing for me to carry with me to South America, and should be glad to procure a copy if one can be found & it is not too costly. May I ask you to see what you can do in the search among the book stores in Boston towards getting

me a copy? I have always felt sorry that I did not purchase the book when I had an opportunity to get it for $5. or $6. some years ago.

I thought your suggestion to send all my published papers to Dr K. a good one, and have adopted it. Certainly it can do no harm to pay a compliment to him in that way.

I hope your wife returned safe & sound from N. York & benefitted by her little trip. I got home safely after a smart walk of of 3/4 of an hour from Dr. Fleming's. It was a most charming evening for such a walk. The visit to Dr K's was a thoroughly delightful one, & I enjoyed it much.

Very cordially yours

Thomas Morong.

me some $30.00. I find my outfit expenses, in spite of all I can do, quite large. I never did count anybody's property, & like Agassiz, have never had time to make money, but when I think of my S. Am. expedition I do wish for 5 minutes that I had Aladdin's lamp in hand — would'nt that old "Genie" "shell out" a few bags of gold! Scientific men may deride "money" as much as they please, but it's nice to have plenty when you are going on a trip to So. America!

Please give my kind regards to Mrs Dean. Hope she had a pleasant time in N.Y.

Very truly yours
Thomas Morong

Ashland. Mass. June 4. 1888

My dear Mr Dean

Your postal received. I did not know, either, that Dr B. was going to get me a copy of the Botany I desired. The way it happened was this. After asking you to look me up a copy, which you have been kind enough to do, it occurred to me that perhaps Dr B. might know of some one who had a second hand copy to spare which could be obtained at lower rates. So I wrote him to that effect, at the same time informing him that you would

see whether there was a copy of it for sale anywhere in Boston. I was therefore quite surprised to receive a note from him last Saturday saying that he had ordered his bookseller in N.Y. to procure one if to be had in the city, & another postal this morning saying that he had dispatched the book to me by express. I am sorry that you have had all the trouble for nothing; but please be assured in the thought that it will cost me nothing in this way (I suppose) — so I save something towards my expedition.

Dr B. writes that he & Mrs B. start for England in the "Gallia" on the 4th of July next.

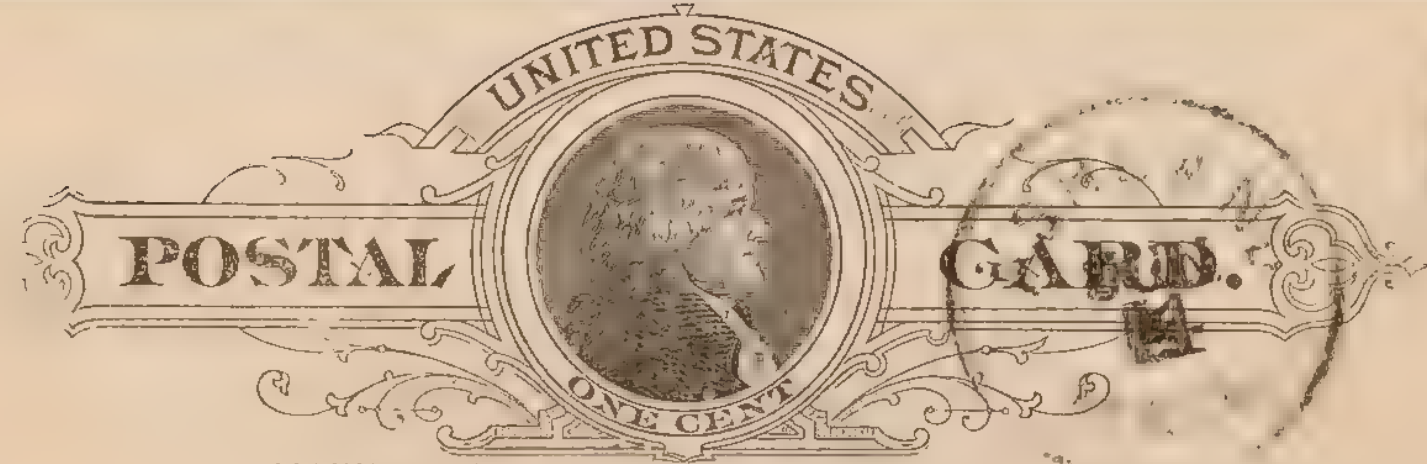
Where will you be left if you don't follow suit & go abroad?

I have been hunting after a camera with the Davenport. I went with him on an outing on Decoration day, and tried a "detective", which proved a complete failure. Today I went to Boston, & we paid a visit to the store of Photographers' outfitters on Bromfield St. where Mr B. trades, and we picked out another camera which he is to test. I shall get one, but it and the "films" will cost

Ashland. Mass. June 4.

Don't trouble yourself any longer about that book. Brit— says he has sent one. Have not seen it, but suppose it all right

T. M.



NOTHING BUT THE ADDRESS TO BE ON THIS SIDE.

Mr W. Crane
5 Brewster Place
Cambridge
Mass.

Ashland. Mass. June 15
1888

My Dear Mr Keane

Oh yes. I sent my articles to Mr Kennedy long ago, at the time I told you of it, & have received acknowledgment of the same from him in a very kind letter.

You will like to know that I am at last settled as to ship and passage to So. America. The good Bargue "Eric J. Ray", Capt. Ray, will sail from Boston on or about the 1st of July next direct

copy? He shall not get off before the 2nd day of July, & it is possible not quite then. My "4th" may be spent in contemplating the Gulf Stream, as Pilots will be in handing out of N.Y. harbour. We will be on the water, if all goes well, about 10 or 12 days & I do a go — think of that, & don't long to go to So. America by sailing vessel, especially if you are given to sea sickness.

With very kind regards to Mrs Keane

I am very truly yours
Thomas Moray

& Thomas Cook, which
has the effect to make
in 60 or 70 days. Fancy!
what shall I do with my-
self all that time on board
ship! No plants in the sea
to collect, & the ship could
not hold all the books I
could read in that time!
Well, I shall study Spanish,
of course, & read up in Botany
and write a Diary (that is the
thing which all voyagers resolve
beforehand to do, & seldom do
it) & what else! Do suggest
something out of the abundance
of your inventive power. Now
if I could only crochet, or
do "tatting", or braid straw,
or knit, or do a dozen of the
hundred things which ladies
find to do. I should be
well off but alas! my
active resources are soon
exhausted.

I suppose you will be
all through your school
examinations by that time,
and rejoicing "like a strong
man to run a race" in
your summer liberty. Of
course, you will wish to
visit the "Eric J. Ray" with
me & take a peep at the
quarters, which I am to oc-

where to find Rep. Goodale?
As long ago as last February, he offered voluntarily to give me a letter of introduction to a friend in B. Ayres, which he said would be of great service to me: & asked me to call & write to him in season to get it before I left. I wrote to him last week, addressing Botanic Garden, but have had no answer. Is he in town? Several of my letters have miscarried lately (there is some thing "out of gear", a friend writes, in the P.O. arrangements of this "Reform" administration) & I have feared that this one may have done so. I want that letter much.

Regards to Mrs L.,

Very truly yours,

Thomas Morong

Ashland, Mass, June 21, 1884

My dear friend

Yours of the 18th reached me in due season.

I went to Boston yesterday to bent up my ship, and found, after travelling up & down Mystic wharf, that she had not yet gone into her loading berth, but will haul up there today. She will therefore commence to take in her cargo today. They all told me at the owners's (or charterers') office that she cannot get in her load under three weeks, but I did not see the captain, & so do not know that fact authentatively. However, when she goes, I shall

go in her (D.V.) & hope she will be off as soon as possible, for I am growing tired of this waiting and preparing.

If you would like to go with me on Tuesday P.M. June 26, I should be glad of your company. That is one of the dates you give me. Tell me at what hour of the P.M., and where in Boston you would meet me, & we will go down to the wharf together. Better meet me at Scollay sq. monument, if you can, & as early as 2 o'c P.M. (earlier, if you wish.) Or you may meet me at the Davenport's on Hamilton Place, if convenient. The wharf is on Chelsea Bridge, you way 93, & we shall need time.

Why yes I cannot I read novels — that is, good ones, — anything, for instance, as good as those of Read or Wilkie Collins, but I don't spend much time that way except in vacation.

I should think after your year's grind you would long to see the last of the school desks, & be off into the woods. Bailey is in clover. I don't see but that a large part of the year is vacation with him.

By the way, do you see or know

of plants, much less work at one. — so full of work of all kinds. Don't I be wild to get among the growths of S. America after being cooped up in a ship for 60 days!

Hope I shall see you before going. Shall try to run down to the Garden once or twice, if possible, when I get over my packing &c.

Please remember me kindly to Mrs Deane.

When will you be in Cambridge during the next two weeks?

Very cordially
Thomas Morong

Ashland, Mass. July 4, 1888

My dear friend

Herewith I return list of Harpers' books. I have marked about 50 of them, any of which will do for reading, especially those of Russell, Collins, Read and Miss Hay. I think that I have read none of those marked. Don't feel obliged to get any of them, or any more of them than you choose. I mean this — & shall be perfectly satisfied if you give me none at all.

I have received the letter from Prof. Goodale, & that

is all right. Am sorry to have troubled him so much.

I have dropped a line to Prof. Macoun, of Ottawa, to send me his catalogues when out, and also a copy to you. Do let him that we would both of us be willing to pay for it if we know the cost. Probably it will come along after awhile.

Do you see Prof. Coulter at the Garden? Had from him the other day a return letter from Mr Hanna, U. S. Minister at the Court of the Arg. Republic, in which he speaks of my coming, and cordially invites me to the Legation, & promises all the help he can give. That is very pleasant. I have every prospect of good fortune & success out there.

If the wind ever gets off!— I want much to be underweigh, as I am getting tired of hanging around here in a state of suspense.

Dr Britton starts today, I suppose. It is a grand day for going down N. York harbor, a fine augury of a pleasant voyage.

I presume that you are fairly revelling in your freedom from the grind of the school. Have you been out after plants yet? I can't even think

Of you & Mrs Deane if you can make it convenient to do so. There

for, not to see Prof. Coulter, "Rose" is a new name to me. Have you seen "Tuliana's" Gerard niacum? It is getting quite hot here, by the Nat. Hist. Soc.

Had a letter from Britton who he had gone on board the Gallia. He says that there was a great crowd around the pier, but a most charming day (as it was) for going out to sea. He'll be in England before I get it. Mrs B. will have a "splendid time" in roaming over Scotland.

Hope you are greatly enjoying the — meadows of Peterboro. With kind wishes to Mrs D —

Farewell — most cordially

T. C.

Ashland. Mass. July 10. 88

My dear Mr Deane

Your cards and several parcels of Harpers' publications have come to hand. I am greatly obliged for the means of driving off ennui upon my ocean trip. I suppose there'll be plenty of that in spite of all precautions. I have left myself various kinds of literary work to do as well as that of reading. But I have no doubt that time will often hang heavy during the 60 or 70 days which will elapse before I see the shores

of the Argentine.

I was at the ship yesterday to see what progress is making. He is making. The mate told me that the lower hold was not yet full, and that it would take at least 12 or 15 days more to get in her cargo. That will carry me to July 21–24 before the vessel leaves. I shall therefore have time in which to see you after you return on the 16th. In fact, I am hoping to visit the Gardens several times that week. My new plan for Tuesday 17th or Wed. 18th, may be for those days.

I am all ready myself, & only await the movements of the ship.

We are trying now to make arrangements so that a party of my friends can accompany me down the harbor when the vessel is hauled out into the stream. She will be towed down by a steam tug at high water, and the party will return in the tug. I have been down that way & know that it is quite an easy thing to do, and that it is very pleasant for all the parties concerned.

If we sail anywhere from the 21st to the 25th of July the tide will serve just right, occurring in the middle of the day. It certainly would afford me great pleasure to have the company

Auckland. May 15 / 15

Rec[d] your letter from Kohukohu on Monday last. I shall not be able to visit the Gordon Park contracts this coming week, but will probably start on Friday or Saturday morning. Mr Clarke is out of it & work at high tide finishes on Friday & Saturday at 10 o'clock. Will telegraph you if possible just before I start & meet me at Kawa-kawa. Like the dog-boy, when the Gipsy met him with money

Very sorry, -

J. Bell.

UNITED STATES

POSTAL CARD.

ONE CENT

NOTHING BUT THE ADDRESS TO BE ON THIS SIDE.

Mr Walter Briare
5 Dunster Place
Cambridge, Mass.

Boston, July 20, 1854

My Dear Mr Deane

The Fire Fly will leave Mystic wharf on Monday next about 11 or 12 A.M. to come over about 10 if you can, & see me off.

I am sorry that I could not come out to Cambridge as I had hoped to do, but I had so much to do in the way of packing up &c. The visit has been long delayed by various hindrances, but I trust that we shall make up for it in a speedy voyage after getting out to sea.

It is not a very clean place, that Mystic wharf, for ladies, but I think some of my lady friends from Cleveland will try & get on board of, of course, I shall be

delighted to see Mrs Deane if convenient to [illegible] for her to come. None of the ladies will probably venture to go out in the stream because it is a little difficult to get down into the tug, but gentlemen can do it easily enough, & probably all who come will like to see me fairly on the blue water.

With kind regards to Mrs D., I am

Very truly yours

Thomas Moran

our farmd country. The people don't know what hurry means. It is all "mañana" (tomorrow) with them. They rise at 8 o'c. - take "Cafes", a slight lunch, + then breakfast at 10 or 11 o'cc. - + dinner at 6 or 7 P.M. - so that they are so hard, there is so little of the day for business, that you cannot see but one man per day. As I have at least 4 or 5 more persons to see before I can get off - also to get my goods all ready, - it will be yet quite a while before I can get off.

I will write to you again when I get away. In the meantime do write to me as often as you can conveniently, as letters here to one so far from home are golden. Address care of Hon. B.W. Harris United States minister. He will forward them if necessary. With regards for Mrs. B. I am most cordially yours

Thomas Morong

Buenos Ayres, Argentine Republic,
S. America. Oct. 10, 1884

My dear Mr Deane.

Your letter just like yourself, + pleasantly reminding me of old times, which you wrote Aug. 25 has just reached me on my arrival here. We had a long passage (long I one, but not called long by ship masters) of 70 days. We left Boston July 30 on Monday, + arrived here on Monday just 10 weeks afterwards. The voyage was most delightful. We did not experience a single gale of wind, & only once, for the space of two days, had what might be called a serious blow + heavy seas. The weather for most of the passage was superb, clear days + nights, balmy air + soft breezes. But after we crossed 30° S. latitude it became raw, cloudy + chilly, for all the world

like our N. England east wind weather of spring, always exceedingly disagreeable now. It is so here, & what is worse the people have no fire in their houses; in fact, have no stoves in which to build fires, having no idea seemingly that a fire is ever needed. And yet the mercury often falls as low as 50°, & sometimes below 40°. I am sitting now with my winter overcoat on as I write this letter, in a room which has not a single stove in it, except the kitchen stove, & no means of heating it.

I mean to get away from Bayonne as soon as I can make arrangements therefor, & go up the river into a warmer climate. I am obliged, however, to get my traps thro' the custom house, & all things arranged for my Expedition; & also to see the scientific men here & get their cooperation. This I hope to do on Friday. So far I have not been able to get outside of the city limits so as to discover what the vegetation is on the outside. I find palms and other tropical plants growing in the public gardens in the city, and some acacias in full blossom — tree mallows & tree cactuses also, the mallows in flower.

It is a queer, quaint city of 350,000 people — all Spanish in look, in speech & customs. I learned some Spanish in the books which you kindly gave me about on my way here, but the rapid "jabber" of the people in talking it quite throws it all out of my mind. I shall get it in time, however, I hope.

My plans are as yet unsettled as to future movements. I can't hurry here; I find, as we can in

Many of them, however, are so succulent that I despair of ever getting dry specimens. Some I have had in press for 6 weeks, and they are not dry yet. Indeed, a good many disarticulate in a day or two, and it is impossible to get them except in fragments. That is one of the strange things about this flora. However, the grasses have been very well, and I shall send home a fine collection. My hope is that no disaster will befall them. If I live and have equal success to that which has already attended my efforts, I shall soon get 500 species. Many of them, I presume, will prove to be new.

I wrote an article for the Bulletin before leaving B. Aires, which, if received, ought to have been published long since. If published, you will have had it, & that will give you some idea of the vegetation in that region. I am now writing an Art. for the Bot. Gazette, which will give you a small idea of-

Asuncion, Paraguay, Dec. 28, 1888

My dear friend

I have received both the letters which you have written me, the last, of date Sept. 28, only within a few days. Be assured that I heartily appreciate the kindness which prompted you to write. A letter to one here is indeed of the deepest interest, as I am a stranger among a strange people, and care very little about their concerns. I speak the language with difficulty, and, of course, have little or no social intercourse with them. — I hope you received the letter I wrote you from Buenos Ayres in answer to yours which was awaiting me when I arrived there. I am afraid that no dependence whatever is to be put upon the safety of any letter going from or coming to this country, and most certainly if they are transmitted at all, one has to wait almost forever

before receiving his mail
I told you in that letter what a delightful passage we had from Boston W.B. Aires—not a storm the whole way. I found that in order to accomplish my work, it would be best for me become a tasmanian, and so I came about the middle of Oct. or first of November, and have been ever since most diligently collecting the rich and varied flora of this tropical country. I have already collected some 350 species of plants, the most of which are entirely new to me, and many of them belong to Orders of which we see none in the States. I have only Wood's Class Book and the work of Mount & Decaisne with me, and therefore little means of determining the plants. I expect that Dr Britton will identify what is known and name what is new for me. I am nearly ready to send a box to him; in fact, I have enough to fill a large box, say some 2500 specimens, & shall despatch it as soon as I can get it in order. Of course, I work in the wonderfully rich flora which I find here. On every side are rare & strange plants. When I go out on a tramp, I often get as many as 25 species which I never saw before — palms, acacias, yuccas, begonias, ferns, Melastomaceae, Asclepiadaceae, Compositae (some of them of the most curious structure, such as I never dreamt of) &c &c. Magnificent climbers on the trees, and strange things in the low grounds. The water vegetation disappoints me, not a Potamogeton or Naiad or Chara to be found. But I have seen & collected the Victoria Regia, and that makes up in a measure for my disappointment. A Pontederia & a Sagittaria (S. Montevidensis) a Salvinia, & a few liliaceous things unknown to me, are all I have obtained from the water. The land vegetation is "just splendid" as the school girls say.

some one of the innumerable pit-falls or holes which abound, or off the edge of the sidewalks which are often three feet at a time high & so narrow that only one man can walk along them, or else over a pile of bricks left all over the way with no lantern at night to show you where they are. When it rains here, it does rain. I can tell you — such a downpour as we seldom see, and a regular river runs through the streets. Nobody goes out, schools close, stores shut up when it rains, and all stay at home. So that they are sensible. So far, I have seen dry weather most of the time. It rains about as often as it does in England in the summer time, but they do have occasionally a tremendous thunder storm & such a downpour as I have spoken of.

I had a letter from Bailey the other day. He was at Offord, Eng. when he wrote, & was just on the wing for Norway when he wrote. Said he should return home in Dec. so I suppose he is at home now. Have heard from Dr Whitten only once. He was in England when he wrote, & I know not if he has returned to the U.S., but rather believe he has. It takes from 40 to 50 days for a letter to reach me from home so it is not strange that I have not heard. Don't fail to write me. A letter from home here is precious indeed. It will be of no use to send newspapers, as I long ago have ceased & probably they would not reach me if sent. My kind regards to Mrs Walker & Miss Woodall — with very best commendations to all. Yours most affectionately. Thomas Morong.

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the Paraguayan flora. If it ever gets into print. The climate is pretty warm here at this season of the year, the mercury standing at 84° to 90° in the shade, but you know that I like hot weather, so that does not trouble me. In fact, I enjoy it, and take it as kindly as do the natives. I take good care, however, not to get caught in the hot sun out of doors between 11 o'c. and 3 o'c. if I can help it, for the sun at 115° is a little too much for flesh & blood. I do get caught occasionally when I am on a botanical tramp, and I assure you that I come home as wet with perspiration as if I had fallen into the river. The people here all take their siesta in those hours and do no work at all. Business hours are from 5 a.m. to 11, and from 2 to 5. They are wise in that matter, & I have adopted their wisdom, and make my

botanical tours at 5 a.m. The nights & mornings are always cool, so that no matter how hot the day has been, you can sleep well at night. My health has been fine since I stepped on South American soil, & I have not had to take a drop of medicine once. I hope Oh is vigorous all through as I am now. The people here & the modes of living I don't like, and again & again I sigh for a room without ants, flees & mosquitoes, and a good piece of beef steak & a full cup of properly made coffee - and some genuine American bread, - it's all sour here. Oh, if I could only get a slice of Boston brown bread & a plate of baked beans, I would willingly give a dollar for them. Milk is scarce, & butter is an algebraic x. I have done without both. Paraguay produces the best coffee in the world, but they boil it till it is black and strong enough almost for a spoon to stand up in, and then serve it out in cups that hold about two table spoons full, putting almost as much sugar in as coffee. If ever I reach Boston alive, the first thing I shall call for is a slice of butter bread, then a glass of milk with ice in it, then a jolly piece of beef steak with fried potatoes, & to round off, a plate of baked beans - yes, indeed, I shall. Here at a hotel or restaurant, I get only Macaroni soup, which I detest, stewed brains, salted tongue, "gallina" which ought to mean "spring chicken", but which in the eating proves Oh! old rooster," and half a dozen dishes the names of which I don't know, - all pretty well cooked but unsavory to my taste - with a bottle of sour wine, which is worse than all the rest, and, to finish with, such a cup of coffee as I have described. So I do not get much satisfaction out of Paraguayan cookery, tho' the climate and the flora are charming. Asuncion is a queer old place. I wish Boston fickle could only walk once over its sidewalks, they would never complain again of their street superintendent. Such a "ramshackle", dilabidated state of things they never even imagined. I expect every day to get my neck broken by falling into

My present address is
" Dr Thomas Morong
al cuidado del Sr. C. R. Saguier,
Vice Consul de los Estados Unidos.
Asuncion, Paraguay
South America "

I am "Dr" in virtue of my degree of Ph. D.
& hope that title while in South
America

Here I have pulled out my little
pocket penknife to scratch that word,
and as I look at it, it reminds me
of our parting at Neptune wharf, for it
is the one you gave me then, — and a
"handy" little thing it proves to be.

USHER & FEATHERSTON

AGENTS TO THE

PARAGUAY LAND COMPANY

ASUNCION

P. O. BOX 63.

Asuncion

November 1.ts 1888

M.

We have the honor to inform you that we have established in this city, a commercial house which will conduct business under the social firm of.

USHER & FEATHERSTON

and will follow business as COMMISSION AGENTS & CONSIGNMENTS IN GENERAL, *especially in the sale and purchase of Lands, in which we can afford great facilities.*

Having the necessary capital and the practice acquired in the discharge of various posts in commercial pursuits for many years in this country, we hope to be able to effect any orders with which you may honour us.

Begging you to take note of the signatures expressed below, we offer ourselves

Your most obelient servants

Usher & Featherston

Mr. George R. Usher Signs Usher & Featherston

Mr. C. T. M. Featherston Signs Usher & Featherston

I think now that I shall stay here all winter, i.e. your summer. I shall not probably return home before a year from next July or August.

Asuncion, Paraguay, March 8, 1884

Mr Walter Deane

Dear friend. I am writing my fourth letter to you. I think. Have received four from you, the last of date Dec. 23, enclosing a christmas card, + good wishes of the season. You speak of having written five. One must have gone astray. The wonder is that more have not done so, considering the poor mail facilities of these South American countries, + the fact that the postal officials are known to steal a good many.

I write on this sheet, because I should like to have you exhibit the advertisement on the first page to any enterprising mercantile men in Boston whom you may know. Mr Usher is an American who has been in Paraguay for 15 or 20 years, is married to a native Paraguayan woman, + has a family here. He is now in Government employ, but has done all kinds of business here, + is thoroughly acquainted with the character + habits of the people. He is an Ex-U.S. consul at Asuncion, + Paraguay, Uruguay, and of late years has been U.S. minister to Bolivia, but resigned that office to accept the position of Paraguayan minister to the U.S. which he now holds. He is a man of means, + has written a book on Paraguay. Address all your letters in future to "Dr Thomas Morong" (not Mr) as my title of M.D. entitles me to use it, + it is necessary for me to use it in my profession here.

American manufactures + merchants to open trade along the Paraguay + Parana rivers. Asuncion would make a capital entrepot for the exhibition of American wares, + they would undoubtedly sell to fine advantage. All such articles as boots + shoes, cotton goods, tin + wooden household utensils, kerosene oil stoves, toilet articles for gentlemen, &c. &c. would command a very profitable sale. I think. Any American business man who would make up an assorted cargo of Amer. manufactures of good quality, and send this firm to exhibit + sell them would make a good deal of money by the transaction. I feel sure. Mr Usher will supply all needed information on the subject, if written to. I am thoroughly astonished that Americans have allowed the English, the Germans + Italians to take

P.S. Please address all your letters in future to "Dr Thomas Morong" (not Mr) as my title of M.D. entitles me to use it, + it is necessary for me to use it in my profession here.

complete & undisputed possession of their trade of this whole region. Why, nothing whatever is made here except the most necessary house hold furniture. The ten thousand objects for personal & domestic use which are made & sold so low in our country are all imported, & most of them are very inferior articles at that. Such a pair of shoes, for instance, as I obtained at a shoe factory in Ashland & brought with me, which I bought for $2.00 & showed to an American cobbler here, & he said that a pair of such as that cost would not be found in all Paraguay, and that what was worn here was immensely inferior to them, and cost $8.00 at that - that is about $16.00 of our money. It is so with almost everything else. I wish it were possible to make our home manufacturers understand what splendid chances for a profitable trade in this country they are absolutely throwing away. Perhaps you can do nothing to advance such a project, but you must know some one who has influence in this direction, & can talk him what I say.

Is it possible that all of my letters to you but one have miscarried? I should judge so from what you write. Well. I am glad that you have not grown discouraged and ceased writing. I came up here about the first of Nov. last, & have been busily at work collecting plants and preserving them & sent home. I have just now put up my fourth box, and expect all four to leave here on the 15th of this month for Buenos Aires. The agent of the Smithsonian there will at once ship them for the U.S., and if all goes well, Dr Britton should receive them by the first of June. They foot up, as I reckon it, some 5 or 6 good species and over 5000 specimens. There are 25 species of ferns, about 40 of the Cyperaceae, & about 60 of the Gramineae. They are all fine rate specimens now, & these will remain so till they reach the hands of Dr Britton. You can see from this

Please tell Prof. Bailey when you write him that I received his letter written at Oxford England, & that I have found an edible Physalis here, the seeds of which I sent Prof. Bailey by this mail. I have found only one Carex in Paraguay, I am sorry to say. I thought I had two, but one may prove to be a Scleria. The genus is very poorly represented in Paraguay. I should like Britton to see this Carex, which seems like of the C. vesca a kind. or perhaps C. stellulata type. I may find more hereafter in other parts of the country.

that I have not been idle. It is an immense piece of work to gather and dry 5000 plants, as you very well know. I have travelled about a good deal in order to collect. I have recently been on a trip of 150 miles into the interior of the country, & bagged some 150 entirely new (to me) things. Among them was quite a number of epiphytes, some of them very beautiful. The trees in the "mandi" (wooded hills) were literally covered with these growths. If I had had more time & especially more labor, & less rain, I could probably have obtained twice as many of these curious plants. As it was, I brought back about a dozen sheets of them. It is very difficult, however, to haul here, & still more difficult to transport the necessary paper & have boards protecting. 50 miles of the way were over the only railroad of which Paraguay can boast — & such a road! — for the train goes 8 miles an hour, & is in constant danger of running off the track at that — one train a day only. The rest of the way to my place of destination I walked, hiring a man to carry my packages on his back. Of course, I collected right & left. The way pasture is could be used no more; & there we had to stop at odd sorts of out-of-the-way places, such as "Bolicha" little drinking houses, fondas, "Paraguayan palaces" as one of my companions called them — that is, made open on both sides & thatched with straw, one room & bare ground for a floor. The difficulty of transferring the plants to old pieces of newspaper (for I could carry nothing else), in the wind, & sometimes in the rain, & then in changing the blotting & drying the driers, you can thoroughly realize. Fortunately on our way out it was nearly all dry weather, & the mountains

but one or two showers. When we reached Villa Rica, our farthest point, the weather changed, & we had thunder storms after thunderstorm: & a thunder storm here is positively awful. Claps of thunder that seem to shake the very earth, bolts of lightning that split into a thousand ramifications, and torrents of rain that flood the earth in a few moments. I hired a "carriete" to return in to the R.R. station, that is a two-wheeled corral cart, drawn by 6 oxen. We travelled in style, I can assure you, going about 6 miles a day — over such roads as never entered into my imagination until I went over them. In this wagon we were safe against the pelting rain, & all my traps were kept quite dry. I could walk when I pleased & collect vegetation from the road side. Our plan was to start at 5 o'c. A.M. travel till 11 o'c. (that is, when it did not rain, no carrietero will ever move in the rain) — take the regular Paraguayan siesta till 3 o'c. P.M. — then two hours more of travel, when we camped for the night. A hammock slung across the cart, with a big hide pack behind & another in front of the wagon made a very comfortable means of sleeping. The roads — ah! they are utterly indescribable! Nothing but a Paraguayan carriete, with wheels nearly 10 feet in diameter, & drawn by 6 or 8 oxen, made as strong as bigness with can make them, could ever survive such a journey. We had to ford a number of rivers, go thro' sloughs, grind over big rocks & hillocks that made the cart rock to & fro like a ship in a storm at sea. But I enjoyed it amazingly notwithstanding fatigue and danger, & arrived at Asuncion in 6 or 7 days in good health & spirit, the greater part of my specimens in fair condition. The rain, of course, spoiled some, but on the whole it paid well. — I must say Good bye. My kind regards to Mrs B., your father & mother, & all others that I know in Cambridge. Very cordially yours, Thomas Morong.

vegetation on the way. Of course I got my portfolio full as usual, getting written some 15 sp. of plants which I had never before seen.

We went through immense orange groves on the way, & could our fancies tongues with this delicious fruit. The orange is the only fruit I ever saw which can be eaten while yet young, & with a green rind, & taste good. Here it attains about 2/3rds of its full size by the first of april, but even then is edible & refreshing. It goes on from that date becoming larger, more juicy and luscious, until by middle of august or first of September it is truly delicious. Indeed, I can say that I never knew what a real orange was until I came to Paraguay. It is not the only fruit here by any means. The banana is very fine, and apparently several sorts of it. We have also the guava, a pleasant fruit, the fig, very good, the Papaw, which I don't like, tho' others do, the muskmelon &c. &c. The people - natives - are very fond of sucking joints of the sugar cane which grows here in perfection, tho', so far as I am concerned, I should rather have the "sugar-tit" of my childhood. Great quantities of it are sold in the market to gratify the popular taste.

Well, I must stop here rather abruptly & bid you good bye. I hope this letter will certainly reach you, but you must not stop writing, believe that if it is not my fault if you do not hear from me. I am very glad to know that Mrs D. is getting

[illegible] been handed yours of Jan 29

I really don't understand why you do not receive my letters; as I told you in my last that I had written you four times, and now this is the fifth. But you must remember that the mails between So. Am. and the U.S. are (thanks to our niggardly policy in res- pect to paying for mail transmission) very uncertain. I should judge from the statements of my friends in the States that a great many of my letters had been retained. Certainly all the newspapers and magazines that have been sent me have done so, for I have got but one out of the entire lot. Dr Britton told me that he had ordered the Daily Times to be sent me, but not a single number have I received. The public officials here are, to use a mild term, half of them thieves. - No matter about that, how-

over. I am hard at work at my plant collection, and have collected some 6 or 700 species of plants, + about 6000 specimens. On the 15 of March I sent 4 boxes of plants, through the Smithsonian, to Dr Britton, containing some 575 species & over 5000 specimens. I have received word since from Buenos Aires that the agent of the Smithsonian has received them in good order, and will reship them to the U.S. as soon as possible. I hope that Dr Britton will be working them over by the first of June.

I have travelled considerably over the country here. Among other expeditions have gone, half way on foot, about 150 miles into the interior of the country, and brought home a very interesting collection of epiphytes. The air plants, or tree plants, are very abundant here, and some of them very beautiful. Indeed, they exceed anything I ever imagined for abundance & curious structure. The trees are also loaded down with lianas, or climbing plants, some of them with magnificent flowers, and so luxuriant that they literally choke the life out of the trees. The flora here is so wonderfully exuberant that, although I have tramped all around Asuncion for months, I never go two miles in the country now without getting at least a half a dozen new sp. of plants, and my portfolio is crammed full of specimens.

Ap. 12. I was obliged to suspend writing for several days, as a friend invited me to go on an excursion with him some 50 miles from here. + invitations of that sort I never neglect if I can help it. We walked from the R.R. Station bearing the name of "Pirayuy" to a country town ("pueblo") named "Jaguaron", partly through a dense forest + partly over the "campo" (level plain), the latter very wet with pools caused by the recent rains. A distance of 13 or 14 miles. Oh! nobody knows what it is to walk that distance in a broiling Paraguay sun, even tho' shaded a large part of the way by trees. There was not a thread in my clothes dry when I reached Jaguaron, + I could wring the water out of my shirt + stockings as though I had tumbled into the river. And yet it was thoroughly delightful to see the densely luxuriant

Where is Mrs Owen's cataloguing of Nantucket plants? Has it not been published yet? Send Collins' Botanical Guide to Nantucket.

polite in their manners, so that I am never treated rudely. Even the bare-footed peon — and they always, even the women, go barefoot — will give you a salutation in the most courteous manner, and receive you at his neat-built, straw-thatched cabin with the utmost hospitality. Their moral character, in some respects, is of the lowest grade, but their manners are most delightful. Out in the country, miles away from Asuncion, you will meet with this courtesy. Of course, this is all outside, but it is a charming outside which I wish were as common in the States as it is here.

I told you, I believe, in my last that I intended to winter here, and go on collecting next winter and summer. The winter flora is almost as prolific, & certainly as interesting as that of the summer. Many of the trees and lianas blossom only in that season, and the forests are gay with bloom in May & June (winter). I have now collected about 700 species, which, with a single pair of hands only, is pretty good

Asuncion, April 20, 1889

My dear friend,

Your welcome letter of Mar. 3 reached me today. I need not say that this, as all your letters, was read with the deepest interest. You give me details of botanical news which I get from no other source, & combine the social with the scientific in such a way as to be particularly agreeable one, situated as I am.

I wrote you, I believe, some two weeks since in answer to your letter of the previous month, in which letter I expressed a great deal of surprise that you had failed to get the various notes which I had sent you. I am glad to know that you have at least got two of them. My wife tells me that you have called upon her, & Miss Wiggins, in a recent letter, also tells me about your cards &c., & both speak of your failing to get my letters. I wonder that there is you should

go astray while others which I write seem to have come all right. But this is a strange land & a strange people, & the Paraguayan R.R. & its ways are equally strange. They are the most dilatory people on the face of the earth, & like nothing so much as pure idleness. A man promises to meet you at a certain hour, or you make a contract for a piece of work. You are lucky if you see the man or get the work done in a week's time. My Yankee promptness and energy are a constant wonder to them all. So my botanical work is a marvel to this do-nothing race. Why one should collect weeds, or "yuyos" as they call them, & why he should wander up & down the country with a big book in his hands, picking up "las plantas", & then spread them out on sheets with so much care, beats all their comprehension. The houses here are all built directly on the street, generally with a big, iron-barred window close to the sidewalk, through which every passer-by can look. My room is so placed, & as my working table stands close to the window, I am favored every day when at home with an admiring crowd of people who stand & stare at me for hours, & express all sorts of curiosity at my pursuit. I believe that I am becoming notorious in Asuncion as the "crazy foreigner"! I used to be annoyed by it, but now I am getting used to this inspection, & rather enjoy the notoriety. Nobody ever walks here, & one carries the smallest package in the street, except the peons, & to see one of the better class of folk is a spectacle which, to the Paraguayan is totally incomprehensible. I can stand & show these folks that an independent citizen of the U.S. can work, walk & dress just as he pleases. They are sound-natured however, & always

work for 6 months, but I am far from being satisfied with that. You asked me about the temperature, weather & climate of Paraguay. Well, from Sept. 1 to the middle of April is summer, and the mercury (Farenheit) ranges from 76° to 96° indoors, generally standing night & day at 80° to 84°. It rains on the average during that time about twice a week, the rains consisting generally of severe thunder storms, not lasting over from 3 to 5 hours. Sometimes there is a "seco" or dry spell in Jan & Feb.. This year there was one of 3 weeks. Last year, I am told, there was one of 2 months, but that is rare. Usually the climate must be called in summer hot & humid. About the middle of April, a rainy spell & chilly & cool wet weather set in, lasting till the middle of July or first of August. We have now had a spell of 4 days continuous rain, fog and chilly weather, the mercury falling to 60° & 64° in my room. The temperature is for all the world like the New England July days when an East wind blows up a sea fog

+ rain, + you know very well what that is. But when the sun comes out at this season, we have weather very much like our September + mid-October days., most delightfully cool + invigorating. The summer heavens are best, hot as it is. I am a born salamander + can stand any amount of heat; + what is best, I know nothing of my old New England enemy, rheumatism, in this climate. Haven't had a twinge of it since I set foot on Paraguayan soil.

Just now I am looking forward to an expedition up the Pilcomayo river, the boundary line between Paraguay + the Argentine Rep. Two expeditions are on foot, one under charge of a great English land company, + one undertaken by the Argentine Government. I hope to get on one or the other of them. If I do, the probability is that I shall be some months on the trip, + shall see the borders of Bolivia before returning. No doubt the flora will be of absorbing interest. — Am glad to know that my Buenos Aires Art. was published in the Bulletin. It will serve to give my botanical friends notice of my being alive, if nothing else. All the plants mentioned in that Art. (or nearly all) have been sent to Dr Britton. I have an Art. partly finished for the Bot. Gazette. — Glad to know that the health of Miss D. is improving. Give her my best regards. Very cordially yours. Thomas Morong.

the Expedition had been in the summer instead of winter, but even in winter it will prove remunerative botanically, as there is a very interesting winter flora here.

I have by no means exhausted Asuncion & vicinity, I can assure you, as every time I go out I "bag" ever so many new things. Yesterday, for instance, I wandered 4 or 5 miles into the country. Attracted by a large tree in the woods, covered with large & handsome purple blossoms, I turned off from the road into the tangled undergrowth, & after pushing my way thro' creepers innumerable & a thicket so dense that the sun's rays could hardly penetrate it, I reached the tree, to find it some 40 feet in height. Thereupon I essayed a feat which I had not performed since boyhood. By the aid of a cord which I always take with me, up that tree I went, and after much puffing & blowing got breath enough to see a wide spreading foliage & hundreds of beautiful blossoms of the Bignoniaceae Ord. — an Ord. very abundant here, & among the most beautiful of the S. Am. flowering plants. In those same thickets several interesting ferns grow — among others one beautiful little thing which roots at the tips of the fronds like our Camptosorus rhizophyllus, tho' unlike that in other respects. Near by I ran across one of the Bromeliaceae, growing on the sides of a porphyritic ledge, a very handsome plant, with a tall scape of crimson flowers, set in a rosette of stiff, spinous, Yucca-like leaves. On the way back I "bagged" one of the Paraguayan

Asuncion, Paraguay, [illegible] 1889

My dear friend. Yours of May 26, 1889 reached me yesterday in the unprecedentedly short time of 5[illegible] days!

You were quite right in using my old address until I notified you to the contrary. I think you may continue to use the same address (simply "c/a Consul de los Estados Unidos, Asuncion, Paraguay") until the 1st of Nov. next, as it looks now as if I should not leave here before Jan. 1st.

I assure you that I have answered nearly every letter that you have written, & am very glad that you have not ceased writing in the failure to receive so many of my answers. If you knew how anxiously I watch the mail for news from home, you would understand how much comfort & pleasure I derive from your correspondence. The mail which brought yours also gladdened me with letters from Prof. L. H. Bailey, of Cornell, & Dr Britton. To the former I have just replied, enclosing seeds of a Capsicum which grows wild around Asuncion. I had previously sent him seeds of a native (possibly naturalized) Physalis that is abundant here. At the time of his writing he had probably not received them, as he makes no allusion to them.

I told you in my last, I believe, that I had forwarded 4 boxes of specimens, thro' the Smithsonian, to Dr B., containing some 550 or more sp. & upwards of 5000 specimens. They left here March 15. A letter from the agent of the Smithsonian in B. Aires, just received,

I know that you preserve in an album all botanical letters, else I would ask you to keep mine until I return home.

informs me that they had no good opportunity of forwarding the boxes until May 15, when they were shipped for New York by the Bark "W. B. Flint." I am afraid that they will hardly reach Dr B. before the 1st of Aug. I have now 2 more boxes full which I hope to despatch soon. Dr B. writes that he is overwhelmed with botanical work, - with applications from all quarters for the determination of plants. I am sincerely glad that he is becoming so noted, for he deserves it. I only wish I were there to help him. Even am I that he cannot be very anxious to get a 1000 more unknown sp. from So. Am. just at present.

It would not be very difficult for me to work up my collections if I were at the Herbarium in N. York. as I have in nearly every instance taken very full, & even technical descriptions of my plants in the field. In most instances I have little doubt as to what Order my specimens belong. I have gone to work quite deliberately about the matter, having time & good head quarters for that purpose; - & that will probably save us an immense amount of work hereafter if my specimens & note books & myself are fortunate enough to reach home in safety. Of course, I speak in general, as there are many plants here of which I do not even recognize the Order. I trust to get at least a thousand species, if not more, before leaving Paraguay - & perhaps as many more in the Andes mts., Chili & Peru. That is all expectation, however, & may never be realized. But I have had wonderful success in starting with the limited means at my command. If I had plenty of money I should employ two or three hands & send out excursions in all directions. But every thing is so expensive here, that I have been forced to keep a strict watch over my finances, lest I use up all and never get away. This requires longer time, but on the whole it has its advantages - among other things giving me the personal superintendence of every thing collected, & a precise knowledge of localities and methods of growth. I have learned that many plants when dried & in the room put on quite a different appearance from their aspect in the field, & are liable to be mistaken by the cabinet botanist. Now everyone of my specimens is known to me ab initio.

I am expecting by the middle or last of June to accompany a steamboat expedition up the Pilcomayo river, the boundary line between Paraguay & the Argentine. A large & wealthy English Lean & Co. are building a steamer expressly to explore that river, & I have been invited to accompany it as naturalist. We are now only awaiting the arrival of the steamer from B. Aires. It will not be my fault if I do not bring home a rich collection & a crowded note book. Should my friends miss letters for several months, they will understand the reason. I have been on several country expeditions already, & that may account for the irregularity of my letters. The region spoken of above is terra incognita scientifically - known as the "Gran Chaco". I wish, however,

Asaujias (Asclepiadaceae), one of the most capturing species. So I returned with a portfolio full, as indeed, I always do whenever I go out. It is a perpetual round of botanical novelties.

By the way. Speaking of expeditions, how many miles do you suppose I have gone á pied since reaching Paraguay? I reckoned it up the other day, & it foots up (excuse a bad pun) over 200 miles! and walking here, over immense campos or plains, in this exceedingly humid region is by no means what it is in our rocky, hilly & dry land. 10 to 1 but you will have to pull off shoes & stockings and wade thro' wide lagoons & swollen arroyos in the course of 5 or 10 miles.

Will you be kind enough in your next communication to Prof. Coulter or Prof. Barnes to say that I have for some time been at work on an article for the Gazette? I have by no means forgotten the great courtesy which Prof. C. showed me in writing in my behalf to the U.S. Minister at B. Aires, nor my promise to contribute an occasional art. to the Gazette. My busy life gives me time only to get at the art. now & then, but it will be finished in time, I suppose.

Another favor I have to ask is this - that you will in some leisure day during your vacation go up to Ashland, & see how my herbarium is

farming. I left my cases with my furniture in the house of Mrs Fabrigh. Miss Ware, her sister, lives on the premises, & takes care of the rooms. Miss Wiggins will show you where the place is - not far from the R.R. station. If she is not there, Mr Frank Erskine, of the hardware firm of Perry & Erskine, has a charge of the cases, & he will show you the way. The cases are all by themselves, tied round with cords which are easily unfastened, ~~which are easily unfastened~~. My plants are not all poisonous, & insects may be doing harm to the specimens. They may need to be refilled with camphor. I will gladly repay any ~~[illegible]~~ which you may find necessary. I should hate dreadfully to have them eaten up by the time I get home.

The enclosed article was written at the request of the manager of the "Beau Bo." (spoken of above - & fully explains itself. The title was not mine, but the editor's. - Nor was the egotistical comparison of myself with Dr Gray in the St. Louis newspaper which I sent you any conception of mine. It was solely of the editor, much to my disgust.

After reading this newspaper art. please show it to my wife (whom I am glad to know you visit occasionally) and then send it on to Dr Britton to use as he sees fit.

I trust that this letter will not go astray, as many others have done. - I am glad that my letter of you has furnished so much matter of interest & entertainment & to so many of my friends; you have far overrated its worth. It gives me very great pleasure to hear of Mrs Gray's continued progress towards good health. My kindest regards to her - & my appreciation that I did partake of her "baked beans," & "brown bread" just as soon as possible. Keep on writing once a month, & the blessings of an exile will be yours.

Very cordially yours - Thomas Morong.

to Leinanthemum) are, I believe, all that I have hitherto discovered in the waters. But, of course, I am far from done with the waters of So. Am. yet, & things may improve very much as I go on.

I have collected perhaps some 20 species of spiphytes, but have sent home only the dried plants. It takes too long to get anything to the States from here for roots to survive the voyage, I am afraid. However, if I knew anyone who wanted them, I might try the experiment.

Please remember me especially to Dr Kennedy when you see him. I have been intending to write him for ever so long, but am so occupied that my good resolutions are often like those with which ~~the~~ certain nameless place is said to be paved. I shall never forget how much I am indebted to him. Also give my best regards to Dr Watson & Prof. Goodale. Would that I could drop in, as of yore, on Dr W. and bother him with turning over the Herbarium collections & with calls for library books! His picture, as he sits writing for dear life at the table, & that of our dear old friend, Dr Gray, are as fresh in my memory as though I looked upon them only yesterday.

I suppose that this letter will reach Cambridge right in the midst of your vacation absence. I sincerely trust that your sojourn in Jaffrey will thoroughly restore Mrs D.'s health. With kind regards to her & much love to yourself, I am most truly yrs. Thomas Morong.

Asuncion, Paraguay, July 1, 1889

Mr Walter Deane

My dear friend. I have just received a letter from you, of date May 5, and, although I have recently written you, shall answer this at once, as I may go on a voyage up the Pilcomayo river by the middle of this month, & not have an opportunity to write you again for a long while. My last contains slips of ~~my~~ my articles on Paraguayan grasses published by the Paraguayan Land Co. in the Standard, an English newspaper of Buenos Aires. If you get the slips, you will, of course, get also my wishes in regard to the disposition of them. I have just sent another art. of the same paper under the title "A Paraguayan Farm;" which I hope will be published in due time. I also told you that I had written two letters (and very recently a third) to Prof. L. H. Bailey, one of them containing seeds of an edible Physalis

& the others seeds of a Capsicum, red pepper, both of which grow wild in the vicinity of Asuncion. I have had from him no answer to either letter, and I greatly fear that they have gone the way of so many of my letters to the States. They were all sent to Cornell University. You tell me that he is building a dwelling-house in Ithaca - Happy man of science who is not only enabled to pursue to advantage his scientific studies, but also has the means of constructing a cosy habitation for himself and of adding a Caricature thereto! How the rest of us, impecunious scientific mortals, envy him! Well, well, he is a capital fellow, & is bound to make his mark in the world, and I for one am glad of his success. You tell me of his new Carex Russii, of Bebb's Willows, of Mr. Watson's new ed. of the Manual, of Ward's Century Dictionary &c. - You fairly make my mouth water, for here I am quite shut from the Bulletin, the Gazette, from Greene's sharp articles, Goodale's lectures, & all the choice things of which you speak. I hope some one is going to keep copies of all these sweet morsels for me. What an amount of reading I shall have to do when I return in order to catch up, shan't I? Then besides, with all the aid which I expect to receive from Dr & Mrs Britton, what an immense amount of So. American botanical & other literature will fall to my lot in the days to come! Why, I already have four note books, of 200 pages each, now nearly full of notes botanical, account of expeditions & natural, social & adventurous life in this strange country! What will I ever do with it all!

You ask if I mean to say that I have found here no aquatic flora at all. By no means. I meant to say that the aquatic flora of this country has disappointed me very much. - no Potamogetons, no Characeae, no Isoetes. A few Salvias, Lemnas, water grasses, the Victoria regia, & two species of the Bibliaceae, one of them a large, bright purple-flowered plant known here as the "Camalota", the most common of all the aquatic vegetation in this region, a Pistia & an Eichornia (quite similar

Just think of it, & envy me, if you dare, the Fahr. thermometer in my room (without a fire, you understand, & doors & windows wide open) is standing at 72°! and the month corresponds to Jan. in Italy. We must delicious weather imaginable, dreamy, hazy & much like our mid-September weather. occasionally the mercury gets down to 40°, & rarely there is a frost, but not enough to injure the orange trees. This rain holds more than two or three days at the utmost; & then only when the wind veers around to the South & the sun is obscured by clouds. I am delighted with this climate, which is, I think, the finest in the world. Green grass is seen the year round, garden flowers in full bloom in winter, and blossoms & wild plants & trees grace the plains & forests in July & August. No rheumatism - invaluable blessing - no consumption, no neuralgia, no dyspepsia, no fevers, no kidney or liver complaint, no cholera or yellow fever or small pox or hydrophobia.

So all the physicians here assert, a healthy country, they say - happy

land, is it not? The people say that when a man here dies wishes to die of disease he is obliged to move out of Paraguay, & I am half inclined to believe them. Seriously, the country is remarkably healthy & free from prevalent diseases. Don't understand me to say that men may not get the malaria or fall ill from imprudence or exposure. Of course they can — & Adam & Eve could have done that in Paradise. And when the occasional cold weather comes of which I have spoken, it is downright cold, although perhaps, only 50° Fahr. The contrast with the usual temperature is so great, & the fireless habitations are so loosely constructed, that one actually suffers as much as though he were in Boston with a zero wind blowing in his face. But with a Boston overcoat upon him, thick flannel next to his skin, and vigorous walks in the open air, he is equal to the 48 or 60 hours during which this kind of weather continues — and with a good bed & plenty of blankets, my! how he can sleep!

Please show these rambling sketches to my wife, 755 Tremont St, Boston

Dr Ripley tells me that he met you in Boston.

Paraguayan collections, so far, amount to about 1000 species, probably over 10000 specimens.

My life here is about the same as it has been for the last two or three months. The putting up of my boxes has confined me very closely to my home lately, and about all the diversion I get is in going to the market for my daily stock of provisions. That market, by the way, is a never ending source of amusement to me. It is an immense brick building, square, 1½ stories high, nearly in the center of the city. It has an open square in the middle, like most of the buildings here. On the upper ½ story, in the 4 sides, are rooms, which seem to be rented & occupied by people. How in the world they can ever live there in the summer, I cannot understand, but they evidently do. The ground floor ~~occupied with~~ containing benches of marble, & floor of brick & stone, on which all sorts of commodities imaginable are placed for sale. All the venders are women, who sit at the benches or squat on the floor with their merchandize in little heaps before them. Here is one woman with little piles of shelled peas or beans or potatoes (potatoes 3 or 4 in a pile) or eggs before her: here another with half a dozen bottles of milk, usually about 20 cents a quart in price. Still another with piles of bread, rolls of wheat flour, Chipa (that is, Mandioca bread,) or maize (meal) bread sorted out on the floor or on a bench. Still another with tallow candles, or balls of what they call cheese, that is, curded milk: another

July 26, 1889.
Asuncion, Paraguay

Walter Deane.—

My dear friend. Yours of May 24, reached me July 24, just two months after date. It may interest you to know how it speeded on its travels. Postmarked Boston May 25. It is received in London June 7, at Buenos Aires July 12, & in Asuncion July 24. It probably lay in London 5 or 6 days waiting for a So. Am. steamer. I have heard of letters coming to Asuncion from the States in 45 days, but have never yet seen one which reached me under from 52 to 60 days, & sometimes 70.

I have answered all your four last letters very soon after receiving them, & if you have not seen the answers, they must have gone astray. I never feel sure when I write whether the letter will ever reach home or not. I hope, at least, that you received the one which contained the slips of my newspaper article, which was in the letter before the last. I now send you slips of another art. on a "Paraguay-an Farm" in the same paper. Please do the same with it that I requested you to do with my other art., viz. first show it to my wife & son, if convenient, & then send it on to Dr Britton, to do with as he pleases. It may be of no use to him, & perhaps he would return it to you or my wife, if desired. It is of

no particular value to anybody except myself, and I have retain'd copies. Since writing that, I have finished a long Art. on "Paraguay & its Flora" for the Bot. Eag. which I have sent on to Coulter, & another shorter one for the Bull. of the Torry Club on "Mandioca". I hope both of these will appear in due time. It is so awfully long, however, for anything to reach home, that often I can see little in print. I have almost forgotten what I wrote. My "First Glimpses &c" was written in B. Aires about the middle of Oct., was not printed till Jan., I think, & I never saw it until April, 6 months after it was written!

I told you in my last that I was daily expecting to go off on an expedition up the Pilcomayo river, but the boat has not yet arrived, & I know not when she will come. Mr Storm, the Commander, is pressing his preparations as fast as possible, I suppose, but all things move awfully slow here. I note what you say about ill health, & am sorry to know that both you & Mrs G. are so afflicted. At this time, I presume, you are in the midst of your summer vacation, & enjoying the invigorating air of the white Mts. I trust that it will infuse new life into your veins. If you enjoy rambling over the White Mts. & collecting their rare & interesting flora as much as I have done on several occasions in former years, you will grow well & strong at once. I have walked over Mt. Washington four different times, over Mt. Adams once, over Mt Monroe once, over Mt Hayes several times, over Mts. Clinton &c & the Crawford House several times — & believe I have about all the peculiar plants growing there, — at least, if the worms have not devoured them all any this time. I know it will be a rare treat to you if you have never been over these grounds before.

I am also very sorry to learn of your father's ill health. Old age is a difficult thing to cure, I am afraid, though some stand out longer than others. What a pity, it is, is it not? that we must grow old, & just about the time when we know the most about life, & could do the most, we are obliged to give up all & depart! If Dr Gray or Prof. Eggert could only have lived 100 years longer, how much the world would have gained from their rich experience! Please give my kind regards to your father, & tell him that I sincerely hope that his health will mend yet.

I am hard at work just now preparing another lot of specimens for the States. I find on reckoning that they foot up some 2500 specimens, & including miscellaneous plants, lichens, fungi, mosses & ferns add about 200 other species & there already sent home. My last note book number is "784". Of course, however, some will prove duplicates, & others drop out, so that I cannot safely calculate upon having collected more than 750 species. If my Pilcomayo expedition is a success, it will add enough to make my

as the wind veers to the north, the sun comes out & the mercury rises to 70° or 80°. & that sort of weather will last from 5 to 8 days at a time. So far as rain is concerned, it falls at intervals all the year round. Thunder storms are common both in summer & winter, more common, of course, in the extreme hot weather of Dec., Jan. & Feb. It is a very wet climate indeed, & it is reckoned that the average annual rainfall here is from 70 to 80 inches. Droughts are, I believe, entirely unknown in Paraguay. You know the reason of this, of course, — the nearness of Paraguay to the great chain of mts, the Andes, which catch & send back in rain all the cloudy vapors of the atlantic. No atlantic moisture ever gets across to visit my brother in the desert of Atacama.

— Speaking of "half crazy" botanists, please tell Mrs Deane that it is my firm conviction that it is not botanists who are crazy, but the rest of the world. Real scientific men are the only sensible ones going. The world is full of enjoyment for them, & enjoyment of the purest kind. I trust White Mt air has done wonders for you both. With kind regards to all I am as ever most cordially yours Thomas Meehan

Aug August 1. 1889.

Asuncion. Paraguay.

Mr W. Deane.

My dear friend, Tardy? I answer yours of May 27 only a few days since, I must say a few words in reply to yours of June 8. just recd. The former came by way of England, & this apparently has taken all the usual U.S. route from N.York to Monte Video, & thence to this place. It was in N.Y. according to the Postmark, June 10, & in M. Video July 10, making only 51 days of transmission, which is a much shorter period than usual. It must have hit the connecting lines immediately this time.

I have sent you slips of two different articles written for the Standard, an English newspaper printed in B. Aires. The first one, if it has turned up at all, must have reached you before this. I also long ago notified you that I had sent several letters to Prof. S.H. Baily, containing seeds of plants which he desired. As I have not heard from him of late, I am afraid that the letters have miscarried. Has he a particular address at Cornell University

which it is needful to follow, or would the simple address of "Cornell University, Ithaca, N.Y." reach him? I note what you say about his Carex work. I am very glad that the U.S. has such a proficient exponent of that difficult Order. I hope the family will stay for many years where he has left it. I believe I told you that I had found but one Carex in all my So. Am. collections, & specimens of that I have asked Dr Britton to send on to Bailey. My first set of plants, if they have had good luck, must have reached N.Y. by this time. I now have three more boxes full, which will leave here by the steamer of Saturday, Aug. 4, or the following week, for Buenos Aires. This is a far better set than the first, tho' not containing so many species. There are about 183 sp. with several duplicates, & some 2800 specimens. I expect that my Pilcomayo trip, if we ever get to it, will stand me in some 200 more sp. I am already to start as soon as the boat comes. We all of us here expected that she would be here before this, & she would have been if So. American work-men were anything like North Americans. But they beat the Dutch, & they, as an old uncle of mine used to say, beat-Cornwall. When any piece of work begun here will be finished, it would puzzle even a Rhadamanthine lawyer to predict.

I also sent you in my last that I had at length finished & transmitted my long-hanging Art. for the Bot. Gaz. You will see some things in that, if it is ever printed, about the climate, weather, temperature &c. of Paraguay, as well as about the difficulties of preserving botanical specimens in this part of the world. There are but two seasons here, summer & winter, the former commencing about the middle of Sept., & continuing till the middle of April, & the latter for the rest of the year. There is no dry or rainy season, in the strict sense of the terms. In fact, winter is only occasional. We may have three or four days at a time when the thermometer (Fahr.) runs down to 64° or 60°, rarely to 50° & 40°, with a slight frost, when the wind blows from the south, but three fair in my experience such weather continues not over four days at the longest. As soon

spot, is occupied by women squatted on the brick floor, with piles of vegetables, & other things around them. Here are great heaps of luscious yellow oranges, 24 of them for a real (10 cents), or ~~bunches~~ sticks of sugar-cane 5 feet long, the joints of which Paraguayan women love to suck, or infinitesimal heaps of rice, beans, peas, peppers, manioca roots, & Lord only knows what else besides. The women are so thick that you can hardly get through the crowd, and, in fact, to move about at all, you have to pick your way through these heaps of commodities; & what with women vendors & women purchasers (for the female servants in households do all the family marketing), boys & girls, dogs, chickens & the like, it is a matter of great difficulty to make your way around in market hours (from 5 to 11 o'c. A.M.) The hubbub is indescribable: laughter, shrieks and Guarani gutturals salute you on every side. The vendors use their bosoms as their purses, & when you take the miserable, dirty, fractional currency which is all the Paraguaya has to carry about her person, (no gold or silver circulates) from such persons, you certainly expect to get the cholera, or some other infectious disease. — Outside, on the square, stand the patient donkeys, with a pair of panniers across their backs, which have brought all these commodities to the market in the morning before you are up. Some of these poor women have walked with loads on their heads, or ridden on donkeys for 10 miles from the country to sell their produce! And perhaps they earn 50 cents a day by their sales, & pay from 10 to 20 cents each out of that for the privilege of squatting 6 hours on the market floor! What do you think of that!

With much love. Yrs. cordially. Thomas Morong.

with parrots, paraquets (2) ("loritos" they call them) macaws, monkeys, or even a fawn; & by her side, a woman with turkeys or chickens, half a dozen tied together by the legs, & protesting loudly against their confinement. In this quarter, you may get earthen water jugs, tin ware, glass ware, cheap jewellry or the wonderfully beautiful laces which are made by hand by the women of this country (the only thing here, which a person of taste really covets) Down here the floor of the benches are covered with fresh vegetables. Corn, lettuce, egg plants, squashes, lemons, citrons, guavas, beans &c., which ~~are not~~ get fresh all the year round. And here are divers women squatted on the floor with braziers of burning charcoal on which they are frying mutton, fan cakes, & all the curious confounds of cheese, rice, maize, endive &c. of which the Paraguayans are fond, & divers boys & women around them buying & eating the same. Around the four sides are rooms in which are sold fresh meat (all by women, you understand) which is hacked up in junks without the slightest regard to joints, steaks, saddles, roasting pieces or anything else that we are particular about. Some of the outer rooms are groceries, or, perhaps I had better say, wine shops or liquor saloons, for liquor is the principal & the most profitable article sold in them. Dry goods stores &c &c. all around the building runs a wide, covered veranda, & this too, in every available

known here as "El Beste grande," is sometimes found in the swamps of the country. I have never seen one, but hunters tell me about them, & the great difficulty of approaching & killing them. Pumas (so called "lions") and "tigers", that is, jaguars, are numerous in the Chaco territory & in the mounts & cordilleras of Eastern Paraguay, but they seldom come near the inhabited towns. I have seen their tracks on the river side, opposite Asuncion. They kill many cattle, but never attack a man unless assailed. I am told. Many tiger skins, however, are for sale in the stores, and they are regularly hunted by "tiger hunters" for their pelts, which often bring from 50 to $75 a-piece. I saw one skin which measured 18 feet from the mount to the tip of the tail. So, you see, it is rather a formidable animal to deal with, especially as it can climb a tree, & the hunter cannot escape from it as he can from the Indian tiger.

I cannot learn that the sloth is ever found in Paraguay, nor the bear or wolf. There are no rabbits or squirrels whatever. Snakes are very common, most of them (& all that I have hitherto seen) harmless. The rattlesnake, & several other poisonous species are

Asuncion, Paraguay. Oct. 5, 1889

Dear friend

Yours of July 13, dated in E. Jaffrey, N.H. reached me about a week since, and it was acceptable enough. I can tell you, as I was pining for letters from home that had been long delayed by the low water of the river communication with Buenos Aires. At the same time came letters from Prof. Baily, Dr & Mrs Britton and my wife. So, you see, I had a big stock of happiness all at once.

I am very glad to hear that the pure air of the hills is doing Mrs D. so much good, & trust that by this time you are both at home in the enjoyment of mountain strength.

To answer your questions before I speak particularly of myself & work — Yes, I have done considerable work with my camera but am sorry to say that the negatives have turned out poorly. I am afraid that the celluloid films which I bought from Boston, instead of the ordinary glass plates, have lost their sensitiveness. I am still experimenting,

however, & may get good pictures from them yet. The Camera is first rate, & all its parts work admirably. I would give a good deal, however, if I had a Kodack camera and ~~two~~ two rolls of the new films prepared by Eastman & Co. If all that the papers say of this is true, it is the best thing out for travellers. My camera has to be set up on a tripod & adjusted nicely in order to take views with it, all of which requires time & causes more or less inconvenience, good as the camera is. Please tell Mr Bampfylde what I say. I am sorry to hear of his ill health. — There are several good photographers in Asuncion, & they are taking views of the country & the people: so I can buy views, if I cannot take them. Only they are dreadfully expensive. They charge $2.00 a piece for unmounted views, & $3–$5 for card mounted views & photographs 6×8 inches size

You ask about the fauna of this region. Well, it is rather peculiar, & scanty at that. The principal primeval inhabitants is a huge alligator, which abounds in the river Paraguay. This creature makes it rather dangerous to bathe in the river, but still we all do it constantly. I have done so many times, and have enjoyed the swim immensely. The "alligator" is apparently a species of crocodile, thin-skinned, often 15 or 20 feet long. Another animal, here called the "Carpincho", a sort of water hog, is common in the river. Its flesh is esteemed by the Paraguayan people, but I had as lief eat a woodchuck. The Armadillo is quite common, but it is a small species. The Agouti, looking a good deal like one of our coons, occurs in the forests, & is often caught & tamed. Monkeys, of several species, are common in the woods, & the people are very fond of keeping them as pets. The most common is a small, long-tailed species, with a most comical face, & a loud squeaking cry. Another is the howling monkey, whose loud, hoarse howl can be heard for a mile. The ant-eater is another animal, the skins of which I sometimes see in the market. The Tapir,

Hirst & Co., to be sent on by them to the Smithsonian in Washington. Please tell Dr Britton this, if you have occasion to write him. I have now sent home as many as I can estimate, nearly 800 species in 10,000 specimens of plants. all of which I hope, may add to our stock of S. Am. flora. And yet I do not feel as though I had done anything. Had I only a command of funds sufficient, I could have accomplished twice as much, but everything is so expensive here that I am crippled beyond measure. I am obliged to provide for my wife, and dare not call upon my N. York friends for a greater outlay, than they have already made to fit me out & provide for this all.

We are having a wonderfully dry spell of weather for Paraguay just now. The people tell me that the "Seco" is very unusual at this time of the year. Last year it was all flood, now just the contrary. We have had but little rain for the last 6 weeks, and the river is lower than the oldest inhabitant has seen it for years. - Have just written an Art. on the Horticulture of Paraguay, at request of Prof. Baily, & sent it on to him. for his forthcoming annual. Please tell him so when you write him. Am glad that he has received seeds. Yours truly - Thomas Morong.

2

numerous in the forests of the chaco region. Civil engineers tell me that in their expeditions through the forests of the Chaco their men are often bitten & killed by poisonous snakes. I make it a rule to kill all I see, and examine them for the fangs, but I have never yet met across a poisonous specie. If I ever do go on that Pilcomayo expedition (which now looks doubtful, thanks to these abominable Paraguayan delays) I shall certainly encounter pumas, tigers, and venemous serpents, but that terrible fellow of which Dr Gould spoke has never yet put in an appearance. I don't believe that steamboat passengers ever saw him. The boa-constrictor does not occur in Paraguay, I believe. The largest I have seen, a dead specimen, by the way, which I found in the woods, was, I should say, 8 feet long & 4 inches in circumference at the largest part.

Birds are not very numerous here. Parrots (the "Loro") & the little green Parroquet ("Cotorito") & the large parrot specie called "Pakagayo", a fellow with a large bill & red & green plumage, are

found in flocks, & very noisy they are. Some of the Loros can be trained to talk very well. The "Hornero" (described in my Art. in the Bulletin) is common. A variety of water birds, some of them cranes or herons, some snipes, ("bechuanos") the plover; also a large, handsome bird with blue plumage, & a curious long & cross-tailed bird, & a small white & black meadow bird, the names of which I do not know — are about all I have seen. I was shown the other day by a man who had shot them two very rare & strange looking aquatic birds. The one with a sharp vertical bill, the lower mandible much longer than the upper, & with a pair of narrow wings like a gull, each of which was a foot long, the plumage red, scarlet, green & blue, very handsome, and the other, a smaller bird, with reddish plumage, & two curious horns, one at each of the arm joints. I know not what they are, but they would make distinguished specimens in one of our ornithological museums. Two species of humming birds only have I seen in the gardens.

Butterflies are very numerous, & some of them exceedingly handsome. If I had time for entomological collections, I could find a rare lot of beetles, flies, moths & butterflies to collect from. Ants are in legions & utterly detestable, fleas & cockroaches ditto, earth worms & other worms ditto. An active & experienced entomologist ought to be in raptures with Paraguay.

So much for the fauna, of which I could write a good deal more, if I had time & room.

My commander in the Rio Negro Expedition keeps writing me that he is on the point of coming, & as often I say that he is unavoidably detained in B. Aires. I don't know when the thing will take place, if ever. However, I shall, as I have already notified you, leave here by the 1st or early in Jan.y next, & hope to cross the mountains into Chile soon after. After the middle of Nov. (two months) any letter addressed will be care of Mr. Juan C. Aldao, Caldera, Chile. — The Smithsonian agent in B. Aires (S.B. Hale & Co. Calle Reconquista, 50) writes me that my last 3 boxes of specimens were shipped at that port Sept. 14, on the American bark "Coco Reed", for N. York to be delivered to their agents in N. York, Messrs.

Asuncion. Paraguay. Nov. 1. 1889

Dear Walter Deane

Dear friend. Yours of Sept. 15 has just arrived, much to my delight, as it has now been a whole months since I have had a single letter from home, two from my wife, one from my son, & one from Prof. F. Bannon Scribner, of Knoxville, Tenn., came at the same time. The river has been very low for the past two months owing to an unprecedented "seco" (drought) which has prevailed here, & consequently the boats, and with them the mails, have become very irregular. Still your letter came in 45 days, which is, after all, expeditious for this part of the world.

It grieves me much to hear of your father's poor health. Yes, I dined with him once in your company, and well remember how bright & sociable he was at the time. I trust him a well-preserved old gentleman, and good for many years of life yet. Well,

Shall try & send him some more of the seeds. I sent it only the day before yesterday in good flower & fruit not quite ripe. It is very common in waste grounds here.

Shall adopt your suggestion & write to Dr Kennedy. Meant to do so before this, but one thing and another keeps me so occupied that my resolutions are sometimes forgotten.

No. I have not got off on my Pilcomayo Expedition. The steamer which is to carry us has been lying at the mouth of the Pilcomayo this months waiting for its commander to come up from B. Aires. What detains him I can't imagine. He has written some several times, setting dates for his departure. In his last, he implored me not to leave him before he came, as he wants me to go with him very much — at least, so he says.

As to the two newspaper articles which I have sent you, I should be glad to give you copies, if I could. I could only get two of each, one of which, of course, I retain for myself. I think it likely that Dr Britton only wants them

This letter is all I got out of Dr. Jay in exchanging it over. But upon it I can attempt to make a formal notice of it.

Yours truly

we cannot always keep our friends with us, much as we may desire to do so. I hope his end, if it must come soon, will be peaceful & free from pain.

To answer your questions. I was obliged to destroy some of my letters, they grew into such a large pile, keeping only the most important, so that I cannot refer back to yours of last Nov. & Oct., but before doing it I counted the number which I had received from you, and I know that the one which has just come is the 13th that I have received from you, so that one of yours must have gone astray, & probably it was one of the dates to which you refer. I presume that some of mine to you must have done the same.

Two letters from Jeffrey came from you, but so near together that I answered only one of them, which answer you have probably received ere this.

No. I am a poor correspondent, I know, but I have written more letters since coming to Paraguay than I ever wrote before in all my life. I do believe. My wife, when I was absent from home in vacations had to give me an epistolary curtain lecture on the subject about once a fortnight. but I am afraid that I never laid it much to heart. Since coming here. I have written to her regularly every month. & that I consider a great feat — I judge, however, from her letters that quite a number of mine have miscarried. I deal with you, as you do with me. You are such a faithful correspondent, that I should consider it a great shame if I did not acknowledge the kindness. I am very glad that my letters have entertained you. Of course, one could not pass a year among such new & strange scenes as Paraguayan life affords without seeing many an one that was amusing & interesting. Yes. I have had two very cordial letters from Prof. W. H. Bailey, and I know that he had succeeded in getting one of my Physalis seeds to grow. I

P.S. I have just mourned an old & valuable friend, about which I must tell you. You remember that little pen knife which you gave me on the day when I left Mystic Bridge? Well, it disappeared about 4 or 5 months since. I hunted everywhere for it in vain, & gave it up for lost. The other day in using one of my thick discs which I had not taken out of the file for a long while, I felt something hard down inside of one of the sheets, which I thought must be a piece of wood which had got there accidentally, but lo, it turned out to be the long-lost & much lamented pen knife. Now it lies open on my table as I write, none the worse for its long disappearance, & as I look at it I think of the friendly hand which put it into mine in Boston, & which I hope to grasp before another twelve months has passed.

T13

Will you do me the favor of writing to Washington & getting for me No 104 (1889.) of the U.S. Consular Reports? It contains consul Hill's report upon Paraguay. I have read it, & it is quite interesting. You may like to read it yourself. I do not wish you to send it here, but keep it against my coming home, as I may want it for future reference! I was well acquainted with Hill who is now in the U.S. looking after his political interests. Ward would probably obtain a copy for you.

I also much want to see a report on the culture of Cassava in Florida, which Dr Vasey (of the agricultural Depart! in Washington) informs Dr Rusby was once made to the Depart!, with a chemical analysis of the plant. As I am writing on the Manihot a (Cassava) I wish to compare the statements in this report with my own observations. Not here, but when I come home. Ward will probably also get you this if it is to be obtained at all.

The Consular Reports is easily to be had, since it is so recent, but the other may be unobtainable.

Good bye again.

for the time being, to get hints out of them for the determination of some of the plants which I have sent to him. I dare say that he would return them to you in time, if you made a request to that effect. However, that will be as he chooses, as I meant when I sent them home that they should ultimately go to him for disposal. I hope that my Art. for Coulter has reached him in safety. I should be very sorry to lose it, for I spent a great deal of time & pains upon it, and besides shall want it for future reference.

Say the same thing about my paper for W.W.B.'s Horticultural Annual, — about which, I think, I have told you.

I am now engaged on an exhaustive paper on the Manihots for Ruby, tho' I fear somehow that I shall hardly get time to finish it. Certainly shall not if I soon have for the Bi-Centenary. I have written a short article upon the subject already, which I sent to Dr Britton long ago, & which should have appeared before this in the Bulletin.

Yes, some of my specimens have already reached N. York, as I was informed by Dr Britton. He was to open them about Sept. 20. I am quite curious to learn

whether they got home in good condition or not. It is so very damp here generally that I am anxious about them, for fear lest they have moulded on the way. I hope not most sincerely, for never lover treated his sweetheart with more devotion than I have given to my plants, & had it been in our own country. I know they would have proved capital specimens.

I am at work daily in collecting the beautiful spring flora which decks here. I see from my note book that since Oct. 1. I have collected 385 species which I had not seen before. Indeed. I never go out on a botanical tramp that I do not bag from 2 to 7 things new to me. The last number in my note book is 827. This implies on the average some 15 specimens to a species. The time required to preserve all these specimens is so great that I cannot go out as often as I wish. What do you think I ran against the other day? No less than our old Xanthium Strumarium! Homely & repulsive as it is, it really did me good to see it, rough burs, it did look so natural among the unfamiliar things by which I am surrounded. Two or three others of our home weeds are here, & I always put them in my head, & put specimens into my portfolio to look at when I reach my room.

With kind regards to Mrs Gray

I am, as ever, cordially yours. Thomas Meehan.

the other. The tree which bears this is very large, some 50 or more feet in height. You may see great piles of the fruit on the floor of the market, & buy 20 or more of them for a media (5 cents). The third differs from the others, being the fruit of one of the Styracaceae (Styrax reticulata, I believe). This is rather smaller than either of the preceding, oval or pear-shaped, greenish-yellow, with a sweet rather firm flesh, in which are imbedded 1-4 shining, olive-colored, lenticular seeds. I like this better than the others. If possible, I shall send the seeds of all these fruits to Dr Britton with the request that he will forward some of them to Prof. L.H. Bailey, Ithaca, his hand in raising them. Perhaps, also, I shall send one or two by letter to Prof. B. - but they are rather large to send by mail. It is barely possible that one or all of them might be acclimated in the States. They certainly would add considerably to our stock of fruits, if it could be done. - Besides

Asuncion, Paraguay, Nov. 19, 1889

My dear friend,

Just now I am idle, & should like nothing better than a chat with you. My idleness arises from an enforced waiting for that - please excuse the word - compounded Pilcomayo expedition, which has bothered me almost to death, but which is a good illustration of the mañana propensities of So. Am. people. Only three or four days ago I received another letter from Mr Storm, commander of the expedition, saying that the steamer was waiting for him at the mouth of the Pilcomayo, & that he expected himself to start from B. Aires Nov. 16, & begging me to wait for him. I am almost afraid to trust his word, since I have been taken in so many times, but as he is a Dane, & not a native So. American, I keep hoping that he may fulfill his promises. If he does come, as promised, I shall urge him to start as soon as possible. It ought

to be a most profitable voyage for me, & if there is water enough to enable us to ascend the river to its source, it doubtless will. I hope to get there at least 200 species of rare plants, in addition to those collected east of the Paraguay river, but, of course, all is uncertain.

You will, I think, be interested to know something about the fruits of Paraguay, especially those sold in the Asuncion market, of which I keep a close watch. Of the oranges & bananas, I believe I have told you already. The lemons & citrons are almost equally abundant. Pineapples in plenty, & of good flavor. The guava, in its season (same thing as the guava of the West Indies, which we get in preserves) is very common. I like the taste of this almost as well as the wild animals & birds do. It is about as large as an apple, yellowish on the outside when ripe & filled with a sweet, red, luscious pulp. This ripe in January. The "Mamona", fruit of the Carica Papaya, is as large as an orange. somewhat mawkish, however, to my taste, but much relished by the natives of Paraguay. This, as well as the Guava, is used in making preserves.

Lately I have seen for sale in the market three kinds of what may be called native plums, & have taken pains to investigate them. One of them, about the size of our blue plum, of a dark purple color, is the fruit of the Eugenia cauliflora, one of the Myrtaceae. It has rather an astringent pulp, the flesh white, & adhering closely to several small seeds — not much to my taste, I must say, but the natives like the fruit. The tree has the peculiarity of having its flowers & fruit along the main trunk, in the most curious fashion, & I have been asked more than once by foreigners what that strange tree can be. Another, of nearly equal size, is yellow, the fruit of another species of Eugenia: — the flesh yellow, attached closely to several seeds, but much more agreable to my taste than

but I do not expect that we shall encounter any insurmountable dangers or hardships. I am also provided with every thing I need for collecting plants, bugs, snakes, birds & beasts, and shall hope to make a very rare gathering of all these things. The Captain & the Board Company which pays the expenses of the expedition are very liberal, & not even a Government expedition is better equipped. So, you see, I am in clover, & cannot afford to lose the chance, even if it should take six months of my time.

The company concerned is the English and Paraguayan Land Co., a very wealthy and active English corporation which owns thousands of leagues of land in the Paraguayan Chaco, through which we are to travel. They wish to find, if possible, a practicable river route to their lands for the purposes of colonization, and they are anxious for my services to learn the nature of the soil, the productions & the possible chances of successful farming in this terra incognita.

I shall make them pay handsomely for my services, you may be sure, & they are abundantly capable to do it & willing. If

Asuncion, Paraguay. Nov. 29. 1889

My dear friend.

Although I have recently written you, I venture to tax your kind disposition with another missive for fear that I may not have another opportunity to communicate with my friends for a long time. Mr Storm, commander of our proposed expedition up the Pilcomayo river, has at last reached Asuncion, & given me some definite idea of his plans. He proposes to start from here on the voyage in a week or two, & get as far up the river with his steamer as he can. That cannot be very far at present entering, at least not more than 75 or 100 miles, as the water in the river is very low, & snags & bars are very numerous. How long we shall be gone is entirely uncertain. It may be three or four months, and as there are no post offices or mails up there & any wild beasts & wilder Indians, it is a chance if I can get any word home before

my return. If therefore you do not hear from me for several months, you must not be surprised. When I get back to B. Aires, I shall write. I shall leave word here with a friend, George Usher, Esq. to notify my friends if anything occurs to me.

Of course, my plan to cross the Andes in Jan.y is completely upset, as I should not think of trying that after the middle of Feb.y It would be too dangerous, & I am well warned of that by the sad fate of an American who attempted to cross last April, & was frozen to death. I shall probably go round by steamer to Valparaiso through the straits of Magellan, & hope to meet my brother in March or April. The worst that I regret will be not hearing for such a long period from my friends, but I shall expect to receive a big pile of letters when I get to Caldera. From you I am sure of having the regular monthly letter.

I would not alter my plans & go on this expedition at all if it were not a very rare chance, — an that might not occur to a naturalist once in a hundred years. The region which we are to traverse is altogether unknown scientifically, & I shall go with all the facilities for making a complete collection of the flora & fauna. The steamer in which we are to make our voyage is one of the funniest looking crafts imaginable, but well adapted for the object in view. In fact, she was built in Scotland, on the Clyde, for this expedition. She is about 60 feet in length, flat bottomed, drawing only 8 inches water forward & 11 inches at the stern, covered over with a wooden roof, has a small donkey engine in the bows & a stern wheel behind, capable of making 4 or 5 knots an hour against a current. She is to drag a small chata, or flat boat, behind, in which will be placed a part of our stores. We shall have a guard of 15 Argentine soldiers for protection, & the crew, besides the captain & engineer, will number six persons. We are to be provisioned for a six months voyage, & to be well armed with carbines and Winchester rifles. Of course, the voyage will be attended with many difficulties,

there, I noticed the other day a pile of blackish fruit, nearly as large as a marble, & proceeding to investigate, as usual, found that they were the interior kernels of the fruit of the "Coco" (the palm, Cocos australis) I was quite amazed at this, for you must know that this tree bears a small cocoa-nut, which is as large as — well, 3 centimetres in diameter, to be exact. It has an outside olive-colored husk, inside of which is a yellow pulpy husk, much relished by Guarani women & cows, & inside of that a hard bony nut, in fact, a small cocoa-nut, which contains the kernel that tastes just like the meat of the genuine cocoa-nut, tho' it is solid, & has no milk like the true article. This kernel the Guarani market women had extracted, after a world of pains, & many hard blows of hammer & knife, & there they were exposed for sale in heaps. I don't think that any body but Indian women would have patience enough to do that; & other thing is not worth the trouble after it is done.

The only other small fruits which I have seen for sale is the Physalis which I have sent to Prof. B. There is no such thing as blue berries, huckleberries, raspberries, ~~or~~ blackberries, or strawberries. The two last of these have been raised with much pains in gardens, but none are native. Melons are common nice, large, yellow muskmelons & a very poor watermelon. Grapes are sometimes sold, also peaches, but both miserably poor, & neither native of the country. Apples, cherries, the true plum, I have never seen, & only the poorest apologies for pears (not a native of the land)—

As you are much interested in Paraguayan meteorology, let me tell you in closing how the thermometer has stood in my room for the last 6 or 7 days. At 6 o.c. A.M. from 76° to 78°, at noon from 82° to 88°. One rainy day and in all that time, but a very heavy thunder storm on that day. Wind north most of the time, but occasionally south, & then quite cool to the feelings. Oct. 26, we had a tremendous thunder storm of which I have given my son an account, which he will read to you if you care to know what Paraguay can do sometimes in the way of storms. It was really terrific.

I have written you so recently that I have scarcely nothing to say of personal matters. I am extremely glad to learn of the good which Happy has done to Miss Deane — & with respects for her & much cordial love to yourself

I am as ever yours truly, Thornton Munroe.

the project comes off as successfully as we expect & hope it will, I shall regard myself as unusually fortunate. At all events, I am in for no end of adventures & interesting experiences. & shall probably add considerably to my stock of Paraguayan notes.

In the mean time, I have two or three score Cruciea & vicinity for a radius of 50 miles, & I imagine that there is scarcely a plant which grows within that distance at any season of the year with which I have not made acquaintance. My last note book number of species is 847, & I think my number of specimens cannot be less than 10 or 2000. I have now about one box and a half of specimens ready to start for Washington, & then I hope to forward to the Smithsonian before I leave for the Pilcomayo.

I have not yet heard from Dr Britton in what condition my plants reached N. York. In his last letter he merely says that the first lot of boxes are in the Herb. unopened, & that he is too busy to attend to them.

I hope that they will prove good. I know that I have taken much pains with them. Some of the plants I have are extremely hard to preserve. They will fall all to pieces. Some of these, however, I have been dosing with boiling hot water when fresh, & with good success. Three species of Batatacea, for one thing. The water kills the plant, of course, & takes all the color out of the flowers. But you get whole plants, at any rate. One plant, apparently Papaveraceous, which I worked over for weeks last year, absolutely went all to dust after being dried. The hot water cured it completely, & I now have whole plants. The Begonias, of which there are many species in the country can't be dried under 6 months in the ordinary manner. — Do you know whether my Art. in the Bot. Gaz. has been published yet? The one in the Bulletin on Mendocino I have received copies of.

Have you ever been able to go to Ashland & look into my Herb. cases? If not, I trust you will, for the plants may need some attention, & only a botanist can give it in the proper way. Perhaps a little fresh camphor should be put in the cases, as many of the specimens are not poisoned. I trust that your father is still alive & better. With kind regards to Mrs D.

I am, as ever, yours cordially

Thomas Morong.

make out a monograph of them yet. As you know, I have many microscopic drawings of all the species which have never yet been published. & some of the species are represented only in my Herb. I was sorry when I left home to think that I could not complete my work on the Order, & that somebody else would probably give an imperfect account of them while I was away. It may be, however, that Mr Watson would not have asked me to have any hand in the new "Manual even had I been at home, as he is a very peculiar & hard to please man. I never felt satisfied as to my standing with him as a botanist. I got along much better with Greene, a man much more liberal & comprehensive botanically, in my opinion, than the Harvard Herb. men. (This is sub rosa, you understand. I speak to you confidentially)

I am quite surprised & chagrined to think that I have never given you my Chilian address. I thought that I had done so several times. It is to care of Sr. Don Juan C. Mooney, Caldera, Chili, S.A. I hope when I reach my brothers home to

Asuncion, Paraguay Dec. 21. 1889

My dear friend

Again am I gladdened by the sight of your familiar handwriting. Yours of Oct. 19 reached me in just two months time after date. I had almost begun to despair of getting anything more from home when the mail came in with 4 letters for me from the States. I believe that I have written you two letters since hearing from you, but as I am abominably unsystematic about correspondence & write when I am in the mood for it, keeping no account of my letters, I cannot tell. You will know. I am glad to learn from my son that my art. on Paraguayan flora has been published in the Gazette. Of the Manihot art. I have received copies from Dr Britton. Two pleasant letters came from Bailey. I mean to make him up a box of seeds of all kinds, & hope that Paraguay will contribute a little to the market fruits of U.S. Have sent him some of the Physalis seeds, but he tells me that he has succeeded in

getting cutting growths from the one plant which he obtained from seeds sent already, so that he may not need the fresh lot. Had pleasant letters from Dr & Mrs Britton, in which they tell me that they are keeping the curatorships of the Columbia Coll. Herb. open for me, & have lots of literary & botanical work for me to do. Well, such information makes me home sick, & I long to get back again, but the necessity of doing something worthy of my S. Am. tour is upon me, and I must accomplish more than I have. If I can ever get off upon this long-delayed & long-promised Pilcomayo expedition, I shall round up my Paraguayan work very satisfactorily, but it will cost me my trip across the Andes & necessitate going to Chili by way of the Straits of Magellan, & also cut short my visit to Chili by several months. The little steamer, the "Discovery", in which we are to go, is up here in Asuncion, & the commander, Mr Storm, keeps assuring me that he will get off in a few weeks, but as he has been doing the same thing for the last six months, I am not much inclined to trust his word. However, the Chief manager of the Rand Company has now returned from England, & will be in Asuncion in a few days, & as he is the originator of the expedition & a man of great force & energy, I am in hopes that he will put the thing through. At all events, I cannot wait much longer. It makes a nervous N. American boil with impatience to be subjected to the delays of these people.

I have had many good things from Patterson, of whom you speak. He never sends anything that is poor; & he prints very fine botanical labels. Prof. Porter, of whom you also speak, is also a capital botanist & correspondent. I met him several times in N.Y. For a botanist of the former generation, he is a wide-awake & lively man. I am glad to hear of him.

I fully reciprocate the feelings of Coulter about doing up the Botanogeny for the Nearest in my absence. Nos Nidi-adecem are my peculiar offense, & I am pretty sure that I shall have to

Rangoon Dec 16. 1854.

Dear friend, I have to thank
God first and you next for your
letter from Point de Galle before leaving Rangoon, dated 4th Nov. I
received it this morning just as I was
packing up my things for our long
Lay [illegible] up the Irrawaddy. We start
this P.M. about 4 o'c. subject to
[illegible] permit [illegible] I should not have time
[illegible] to write you again for that
time. So with a mild attack of fever
[illegible] of 20 years, I of them N. Amer-
ican & Burmese. Hope to have you
[illegible]. Would inform return for [illegible]
[illegible] of N. Orleans, & thence by
[illegible] of Chile.

Mem. encouragement [illegible] Prof. Dr. H.
Hardy that for [illegible] I have (or could
in Burmese) copy of each for him
may look [illegible] Sparkes (Mem. of Mrs
D. for Burmese which will [illegible]
Mem. 10 Rs. [illegible] [illegible]
Chile in 3 or 4 months [illegible]

find a file of letters from you & others. Of course, I shall get no more here, & it will be a long, dreary time before I know anything about home affairs.

I am quite anxious to get away from Paraguay, as we are threatened with a revolution here, & you know what a bloody thing a revolution is in So. America. All foreigners would go to the wall at once, as the people dislike & suspect them. The opposition to the present Government is very strong, & inflammatory appeals in the opposition newspapers of Asuncion are quite numerous & violent. The only idea which the people have of a change in the Govt. is by force — & elements of dissatisfaction & discord are rapidly accumulating here. So I urge my commander of the Bilcomayo expd. to get away as soon as possible. I have closed up my Central Paraguayan work, & got off all my collections to the States except one box. They are safe, therefore, whatever comes to pass. In the Argentine Republic, they are also in a great flurry financially & many mercantile failures are reported there. Gold had, at the last accounts, gone up to $2.81, worse than it was in the worst days of our civil war. I am told that

in consequence many of the poor people are suffering badly, as the cost of provisions has gone up enormously. This state of things has come about, apparently, by the enormous over-issue of paper money by the Government Banks, & the drainage of gold from the country to pay foreign creditors. I want much, therefore, to create some Buenos Ayres & the Arg. Reps. into Chili where things are more stationary and substantial. Still, we hope that the crisis political in Paraguay & the crisis financial in Argentina will pass by without revolution & popular disturbances. The foreigners here, however, are much alarmed, & await the issue with much anxiety. Paraguay has been at peace internally & externally since the Lopez war which ended in 1869, & has been slowly recovering from her terrible losses in that war. If her people are foolish enough now to plunge into a revolution, it will put back her progress for 10 years at least. I sincerely hope that the next Presidential election, which occurs a year from next March, will pass over peacefully, but present appearances indicate a revolution of more or less magnitude. I know that the present Govt is arming itself & taking other precautions, but the great question is which way will the soldiers go? & they are as likely to go against the Govt as with it. Quien sabe? — Don't have any fears for me, however, as I am likely to be away from here in a few weeks at farthest. Glad to hear of all boys continued improvement in health. With kind regards to her

I am very cordially yours

Thomas Hornaday.

Roger.

Many kind regards to Mrs L. & other inquiring friends at Cambridge & elsewhere.

Hope to see you in due time — Meanwhile God bless you. Keep you well, useful & happy.

Yours as ever with undiminished love.

Thomas Morong.

Pilcomayo River. 83 leagues from Asuncion. March 2. 1890.

Dear Deane.

Chance has afforded me an opportunity to drop you a line from this great wilderness. We have been detained at this point for nearly a month waiting for rain & high water, enough to go ahead or to return with the steamer. It proves to be an exceptionally dry season, and the water in the Pilcomayo is not over a foot in depth on the average, & besides the bed is choked up with old logs & snags, so that we need at least two feet of water on the average before we can proceed. How long we may have to wait here, & how much longer the voyage will prove to be it is impossible to say. In the meantime our provisions are running short, & we are obliged to send a canoe back to Asuncion for a new supply. That will take a month to go down & return, at least. By it I send this note, as well as letters to my wife & Britton, to be posted in Asuncion, which I hope

will get through safely in due time.

I cannot give you many details of the voyage at present, as I write in a great hurry, & tormented at the same time by musquitoes, large & small, great numbers than the head of a pin but with a sting as sharp as a needle, & biting flies of various kinds, all of which swarm here by the myriad, & make life intolerable. In other respects the voyage is really delightful. My health is capital, my appetite voracious, my ability to work unimpaired. I estimate that I have collected some 90 species of plants since entering the river, & some 1000 specimens, the most of which are rare & valuable, so far as I can judge. One variety of cork, I have got here, a Rubbia which abounds in the bed of this salt river. It seems much like R. maritima tho' not exactly the same. One Palm (Palma negra) is very common on the banks, & multitudes of other shrubs & trees which form a dense growth on both shores of the river. Herbaceous plants are not numerous, but lianas & shrubs are infinite in number.

But I shall have to tell you about these things some other time.

Meantime, all I can say is that I am in good health & spirits, ready to encounter any perils that may assail us. As soon as I return to Asuncion, which I trust will not be longer than two or three months hence, I shall pack up and start for Chili, going round from B. Aires to Valparaiso by steamer — then after a short visit to my brother, away for dear old Boston. You might venture to send a letter for me to care of our U.S. Consul, Baker in B. Aires. Very likely there will be time for it to reach there before I do. But send to the U.S. minister as before. Baker is better. At all events, you will have sent your monthly missive to Chili.

I must say goodbye abruptly, as I have no more time, & can stand the swarming musquitoes & gnats no

voyage upwards had to end them + them, + we had not got more than half the supposed distance between Asuncion + Bolivia. So we started back again - down the rabids, around the falls + through the rapids, but thanks to high water did in one months time what we had been over 4 months in accomplishing while ascending the river. Our Indian + hunting adventures I shall have to tell you about another time. Botanically, I have had made a rich haul. I think - some 2000 or 2500 specimens + 200 new species, in a land never botanized our before, + where no live Yankee had ever been before me. I only wait in Asuncion now to arrange the specimens, box them up, + ship them for the States, when I shall start for Chili via B. Aires + the Straits of Magellan - + then ho! for home. Have been well all the time, with a ravenous appetite, my skin toughened by sun, + bites of musquitoes, gnats + 4 kinds of vicious flies.

With many kind regards to Mrs D. + thanks for all your literary pains, I am

Yours most cordially, Thomas Morong.

Asuncion, Paraguay June 18, 1870

My dear Deane

Got to Asuncion last night about 7 P.M. in a pelting rain + stiff south wind (here the winter quarters for winds) which drove the waves over the low sides of our steamer as we came up from the mouth of the Rilcomayo, some 3 leagues or so. It was a cool + wet reception for tired voyagers, but we were heartily glad to get back again. I have before me your last (I suppose) three letters, two of them sent to Chili, of dates Feb. 2 + Apr. 23, which have been forwarded home by my brother, + one of date Nov. 2, in which you acknowledge receipt of the one which I wrote you in the heart of the Chaco wilderness. When the canoe which we had sent back to Asuncion for provisions returned, which was not under 2 months from the time she left us, she brought me a great batch of letters, two of which, I think, were from you. Your birthday card was none the less acceptable that it did not

reach me until nearly 2 months after my birthday. I am afraid that the good wish inscribed upon it, "Many happy returns of the day", can hardly be fulfilled in my case, as I am getting along into the vale of life.

We have had quite an adventurous voyage. I can assure you, tho' we did not get up into Bolivia, as we hoped & expected to do when we started. As it turned out, the Beni was very low, & stayed low till near the very end of our voyage. The low water exposed many old Indian's fire steel boat that had been sunken into the river, & we had to cut, saw & dig our way thro' innumerable snags, sawyers & fallen logs, sometimes having to spend half a day in going a quarter of a mile. Again we had hard clay & sand bars over which we had literally to drag the steamer with rope & tackle. Then the water became so shallow that we had to wait a week or more, & once about 3 months (the time I wrote you) for the water to rise again. After getting our stock of provisions renewed, we pushed on, & several leagues further up the river encountered 6 or 8 fierce rapids, up which it required all our steam & rope power to go, & several leagues beyond there we came upon a cataract of which nobody had ever heard, with a fall of 5 or 6 feet of water, & steep banks 15 or 20 feet high each side of it. At first we thought this a "thumper" but finally we dug away an ascending plane on one side, & actually pulled the steamer, weighing 5 or 6 tons, up the falls by land. Then in several leagues further, we came upon still worse rapids, & finally found ourselves lost in an immense lagoon, some 20 or 30 leagues long & a league wide, into which the river spread. This was all overgrown with such a thick mat of rushes, grasses & other vegetation that it was impossible to force the steamer through it, & we had to stop our steaming then & there. The commander, with one half of our party pushed on several leagues further in the canoes, when they, too, had to stop, the obstructions were so bad. Our

to see a revolution break out at any time. Although that would only make matters the worst. To add to the muddle several army officers have just been arrested & thrown into prison, charged with making a conspiracy against the Government. I don't know how it is all going to end. Paraguay & even Montevideo also look threatening, owing to misgovernment & financial distress.

We hear, too, that the labor troubles are very bad at Valparaiso. Only day before yesterday some riots occurred in that city, many shops & houses were pillaged by the mob, many of the rioters were shot down by the shop keepers in defence of their property, & the Government were obliged to call in troops to quell the riot. Nearly a thousand persons have been arrested, the papers say. Truly, these South American States all seem to be in a temperatious state.

I shall be truly glad when I get under the folds of the stars & stripes once more.

You shall hear from me again when I reach Valparaiso. With kind regards & best wishes I am yours as ever

Thomas Morong.

Buenos Aires July 25. 1890

Dear friend

As I have reached this city on my way home, you may like to have a note from me reporting progress. I wrote to you from Asuncion immediately upon my return from the Pilcomayo expedition, & told you of the results of the voyage. I got your letter in answer to mine from the heart of the Chaco wilderness. I had to spend about a month in Asuncion in order to sort and box the Pilcomayo collections which filled 5 boxes, all of which I have brought to B. Aires, and delivered to Messrs Hale & Co., forwarding agents of the Smithsonian. They will probably reach New York about the time I do myself, and I hope that I shall have the pleasure of opening them myself in that city at the Columbia College Herbarium. I think that they will prove a very rich collection, although they only number some 225 species. The grasses & the lichens especially are very

dingly good, none of which have I ever seen before. Of course, some of them will prove to be the same or nearly the same as plants gathered in other parts of Paraguay, all of which I could not remember, and doubtless some of them are already described in botanical works, but at least one half should be entirely new.

I am now anxious to get out for Chili as soon as possible, but I am obliged to go through the Straits of Magellan by steamer, & there is no steamer leaving before the 6th or 12th of August, so that I am compelled to wait here against my will. I shall get off to Valparaiso first as soon as I can. I have nothing to do in Buenos Aires but loaf about, & have no love for the place or the climate, as it is at the present time, cold, wet & dreary. In the winter time B. Aires has the most disagreeable kind of weather, raw, windy & chilly. This winter they have even had several inches of ice on the lagoons & mud puddles. As the people (all except a few foreign residents) never think of having fires in their houses, you can imagine how uncomfortable it is. I have to keep on my overcoat out of doors & in doors all the time, & am not warm at that. Indeed, I have not been warm since I arrived here, except when wrapped up in blankets in bed.

In addition to this they are seriously threatened with a revolution in this country. Gold is selling for $3.10 on the paper dollar, & is soon expected to go up to 4.00. Business is terribly disturbed. Hundreds of men are out of employment. The Government is terribly mismanaged, & every body is down upon it. The President is obliged to keep a hundred armed policemen about his house for fear of being assassinated; & all the officials of the Government are accused of being plunderers and jobbers. There is no doubt that there is a widespread dissatisfaction with the state of things here, & I should not be surprised

Bains Aug. 9. 1890.

Mr Walter Deane

Dear friend

Fearing that my re-
cent letter from this place may not
have been supposed clear in the midst
of the revolution which has been going
on here. I write again. We have had
a regular time of it, & the city has
been under martial law, or "siege" as
they term it here, for the last 10 days.
Terrible fighting for four or five days
occurred in the streets between the in-
surrectionists & the Government forces,
& it is supposed that nearly 1000
persons have been killed & as many
wounded. The rebel gunboats in the
harbor shelled the city for two days,
a scene which I witnessed from my
window which looks out upon the
harbor. Every explosion of the heavy guns
shook the house in which I am stay-
ing. Fortunately they were not turned

in my direction, & nobody has been hurt in this part of the city.

The Govt succeeded in squelching the revolution in five or six days, but not in satisfying the people, with whom Jeronimo Celman, the President of the Republic is very unpopular, & on whose head all the mismanagement of public affairs & the high price of gold ($3.08 on the paper dollar) are laid. Everybody, even his own friends, turned against him after the insurrection was over, & he has been compelled to resign. Consequently the whole city has been wild with joy, & yesterday & the day before the most enthusiastic popular rejoicings occurred all over B. Aires.

Now that the embargo on the mails has been taken off, & the "siege" raised, I may hope that this letter will go forward.

I am expecting to leave here for Montevideo Aug. 14. & to start the next day for Valparaiso by the German steamer of the Kosmos line. I hope to reach Valparaiso in 15 days afterwards, & after a brief visit to my brother to start for home by way of Panama. Steamer Neko.

Providence permitting, I hope to shake hands with you on or before the first of Nov. next. Let there at any rate be Thanksgiving.

Please inform Dr Kennedy that I have written to him from this city. His letter, however, may have been embezzled, though I hope not.

With kind regards to Mrs Deane I am very cordially yours

Thomas Mowry.

P.S. One more letter from you to Valdivia would probably reach me before I leave for home.

has so few ships in these waters, or, for that matter, in any foreign seas. Show two such fine vessels as this one (the "Ft. Wayne") & the Magellan, one of Hennessy's ships, first home line in the Pacific trade. Our flag is the rarest of all flags seen in a So. American port. I have not seen it from a mast head in these waters but twice in all my travels, & that was once after the vessel from which I came from Boston, & the other when one of our naval vessels at Buenos Ayres. I heard of one or two American ships at Rosario, on the Parana river, one at Buenos Ayres, & one at Montevideo when I was in those ports, but did not see them, while thousands of craft from all other countries in Europe are there. How has Brazil fallen from his high place!

From the Falkland Islands we went to the Straits of Magellan, through which we passed on our way to Valparaiso, having a rough & dangerous passage across against a gale of wind, not making four miles an hour the whole distance, sometimes not over one, & were being driven back one or two

Valparaiso Sept. 8. 1890

My dear Deane

We reached this place yesterday afternoon, after a tedious & rough passage from Montevideo. We have had very bad weather, heavy seas & strong gales of head winds all the way, so that I was sick enough of the ocean to be quite willing to get ashore. The Pacific ocean has proved to be anything but pacific in our case, at least. However we had a good staunch steamer, very courteous & obliging officers, good rooms & the best of table fare, so that the voyage was on the whole very pleasant inside the vessel, if we except the tremendous pitching & rolling & occasional breakers over the decks which we were subjected. I had the opportunity, which I should not have had by any other line, of a visit to the Falkland Islands, which the Kosmos line of steamers carries the mails from England on her way from Hamburgh to the west Pacific coast. This group of

islands, way down in the Southern Atlantic, is exceedingly interesting not only to the common traveller, but also to a scientist, as many accounts. Not a tree is to be seen upon them, which the inhabitants attribute to the strong winds which prevail over them at all seasons of the year. They are made up of volcanic rocks which stand up in sharp pinnacles & columns & jagged peaks, with beds of peat and grass & flats in the hollows between them, upon which many flocks of sheep manage to pick up a living. The inhabitants are mostly English farmers, who make a fine, profitable business out of sheep raising, & produce & export a good deal of wool. It being winter time, there was little to collect botanically, but I managed to collect a number of mosses & lichens, both of which are quite abundant, as well as the a small creeping plant, something of the Arctostaphylos order, which bears a small red berry, but now not in bloom. Large patches of this are seen everywhere on the islands. If you have never read Darwin's voyage in the Beagle, get it & look it over, & you will be interested in his description of these remote islands. On our way out of Port Stanley, the principal port, we put round the island in the hope of rescuing an American bark which had gone ashore on the rocks a week before we arrived. The crew were all saved, but the Captain had died of worry & excitement just after his vessel struck the rocks. The poor thing looked melancholy enough as she lay on her beam ends, with every surf wave splashing over her. She was built in Bath, Me. and launched only last May, this being her first & last voyage. Her cargo, intended for San Francisco, was very valuable, & that & the vessel estimated, even after the wreck, to be worth $250.000. It was impossible for us to stay her off, however, as she was completely bilged, & jammed down solid upon the rocks. Probably she will soon go to pieces & her cargo will cover the shore for miles along the coast, a good thing for the wreckers, perhaps, but an unfortunate thing for the owners & underwriters.

It does seem hard for our country, which

miles at the mouth of the straits, & that for a heavy iron screw steamer is verging a good deal. We landed at the only port in the straits, called Punta Arenas, in a thick fog, in which we came near going aground. This place belongs to Chili, & has a small Chilian garrison stationed in it. I did not go on shore, as the ground was covered with snow though I longed to investigate the manners & habits which are celebrated in these straits. Here we took a French ship in tow which had been driven in from the Pacific by stress of weather, & which could not get back again. Thus she escaped the shoals & rocks of these crooked straits our Captain could not insure again, but she had done so almost miraculously. It cost her Capt. £450 to get back into the Pacific again, & by that good chance for him but mischance for me, I lost the opportunity of going through Smyth's channel, which we should otherwise have done, & upon which I had reckoned greatly. This channel is a narrow passage

among innumerable small islands, where we should have been compelled to anchor every night, & where I should doubtless have had many opportunities of both [illegible] on shore, as well as of seeing some fine scenery. Still the passage through the [illegible] Channel among the peculiar cliffs & crags which line the coast on both sides was very unique & interesting.

We then went up the coast stopping at Corral, the sea port of Valdivia, Lota (near Coronel) and Talcahuano, all of which places exhibit the fine scenery of the coast cordilleras. The clouds were too thick to see the lofty mountains of the more distant Andes, but from Valparaiso I have caught occasional glimpses of old Aconcagua, through rifts in the clouds. I am hoping to spend a day or two in Santiago when I shall make a closer acquaintance with this grand mountain, the highest peak of the Andes.

I had telegraphed to my brother en route, & he came off to the steamer as soon as we anchored, much to my joy. 10 years of separation has made a great change in both of us, but we knew each other at once. He is in admirable health - much stouter than I, with scarcely any gray hairs on his head, tho' only 2 years younger than myself. He brought me a great pile of letters, among others 3 from you of date, Mar. 25, May 30 & June 29. all of which I have read with great interest. I shall be obliged to spend a month with my brother. I suppose, after which I hope to start for home by way of Panama. Hoping to greet you by Thanksgiving time. - with many kind regards to all - Yours as ever yours

Thomas Morong.

Calvert, Chile Sept. 30. 1890

Mr Walter Deane

Dear friend.

Only a line, today, that I am expecting Steam here for home on Oct. 11, by steamer Imperial, Capt. Olsen, an American - Sail at Noon Oct. 28. Shall come by way of New Orleans, when I expect to be by Nov. 6th if you get this letter in time, I can then write as to route that will be by that date. I will probably write you letter, as I shall inquire at the office. But I shall not stop at N. Orleans. Shall hurry on to New York as fast as possible.

Am having a fine time here in roaming over the desert of Atacama in search of plants, many specimens of which, very beautiful, grow when the rains [illegible]

If I had time, I might collect some [illegible] more of Mark on it is, that I have obtained about 100 of. Strange, is it not, that a dead plant grubbed many generations ago?

Have had experience of another Parkinson peculiarity, viz. the cartwheeler - one of these fruits came single-handed to the house lately & went on all fours about the street. The man had come to Cobridge, 50 miles from here, to thrust down some hours' talk, & give all the people a good shaking up.

Am going up to Cobridge today to call upon my patient & his family - shall stay three or four days & botanize all I can.

Since reading my brother's letter I have had your last two letters, written at Jaffrey, come to hand. Your letters have all been a great comfort to me. & I thank you much for your kind genial & constant correspondence. Miss Ellis kindly received my letter from Buenos Ayres. I should like that country just in time to make a quiet comparison with the city mobs etc. one sees to be speaking all over the Argentine.

With kind regards to Mrs Bean
I am ever dearly yours Thomas Moore.

Cuicuilco Oct. 18. 1890

I regret the loss of my Hand I have started my plans about the last of October, I shall not leave here until Oct. 25th, two weeks later than I had expected which will bring me to N.O. Cars at corresponding date. I find visiting Cuicuilco, & looked after the cave & the bits of ware that were gathered by the Expedition in the valley of the Cuicuilco were collected many things & now have plenty.

Write me until 10th from Tuxtla Gutierrez. I am sorry you put the Expedition off just. My friends here would like to keep me a month longer & I should like to stop, it will due to make a further collection of Mexican curiosities & take them, which will have all difficulties in a country new to have called back for my return.

A letter which you might send to N.O. Cars by Nov. 18th would probably find me. I am your obliging

from a little weekly paper published at Calipatria called 'El Alacrán' which if you can translate you can make more out of it than I can for it is Spanish.

Yours ever

Thomas Hornsby

Your last letter of Dec 6th, has just come to hand – or rather, it came a week since

cipios de tolerancia.

El doctor **Thomas Morong**—Ha llegado a esta ciudad el doctor señor Thomas Morong, deudo inmediato del señor Juan T. Morong, comerciante de esta plaza.

El doctor Morong es ya anciano, i pertenece al Instituto Smithsoniano, institucion que lo ha comisionado para hacer estudios botánicos en los paises sud-americanos.

Ha permanecido, entre otros pueblos, en Paraguay, recorriendo hasta los límites de Bolivia.

Con otros compañeros, navegando en el rio Pilcomayo, pudo llegar hasta territorios inesplorados, en donde puso término a su viaje, ya porque los indios que poblaban esas rejiones se lo impidieron, ya por que los elementos que llevaba consigo no le permitian luchar con obstáculos verdaderamente insuperables.

No obstante, hizo allí algunos estudios relativos a un ferrocarril, el cual, partiendo de Sucre se internaria al territorio paraguayo.

De ese modo los bolivianos tendrian una salida mas para sus productos nacionales.

El señor Morong, hasta hoi, ha enviado al Instituto mas de 20 mil muestras de plantas.

Al arribar a Chile se encontró con el señor Philippi, caballero que ha reconocido la importancia de sus estudios.

En Caldera ha permanecido el señor Morong cerca de dos meses, habiendo recorrido los llanos que se estienden mas allá de Monte Amargo, en donde ha encontrado plantas que han llamado mucho su atencion.

Estas, como todos los naturales de Copiapó sabemos, nacen solo a influyo de las lluvias, conservándose en buen estado los semillas, en épocas de sequedad, hasta cinco i mas años.

En Copiapó estará el señor Morong solo unas dos semanas, i en segnida se trasladará al norte.

Damos la bienvenida, al señor Morong, deseándole a la vez toda clase de facilidades en sus estudios, estudios que realiza no solo por cuenta de la institucion a que pertenece, sino tambien por amor a la ciencia.

Limache. Hoi

Callao Oct. 17. 1890

Mr Walter Bowne

Dear friend. I write you
last week that I should leave here for
home on the 25th a week from tomorrow
& should come by way of N. Orleans. I now
write to say that I may, after all, be
obliged to come from the Isthmus direct
to N York by steamer. We cannot learn
definitely till we reach Panama.
So if by the time you receive this you
have not despatched a letter to N Orleans,
you had better not do so, unless you notify
the Postmaster on the receipt to return
it if not called for in a specified time.
I leave Callao in steamer Maricopa,
Oct. 25 Wife & I in Boston at Parker
House
going. Will expect to stop at
Bowne's in Lenox.

Thomas Hoppin.

THE WESTERN UNION TELEGRAPH COMPANY.

NORVIN GREEN, President.

NUMBER 65 | SENT BY Rn | SENT 60 | 13 2d | CHECK

Received at

Dated Newyork 25 Nov 25 189

To Walter Dean

9 Brewster Place

Shall be in Boston on

Thursday next for a week

Cable or write

Thomas Morong

Morong

For many years preceding 1888, Dr. Thomas Morong was a familiar figure to the botanists of eastern Massachusetts. He was an enthusiastic collector of our flowering plants and the higher cryptogams, and his pet family upon which he lavished his greatest attention was the Smilacaceae; (Sketch of his life to 1888)

Statement of his proposed journey.

Letters - (Sent articles to Tom Bull (1881 & 1882) & Bot. Gaz. (1884).

Return. Curatorship of Columbia Herb.

Publications (Smilacaceae of North America)
(Enumeration of Paraguay Plants)
(Torr. Bull & Bot. Gaz.)

Illness & Death.

April 3, 1908.

Letters of [illegible] to [illegible]

Sent letters to [illegible] in a rather crowded sheet

1886	October 10	All	(Ground as B.C.)
"	December 26	pp. 3, 4, 5, 6, 7, ½ 8.	(Rabbits)
1889	March 8	3, 4	(150 m. Tops)
"	May 26	4, ½ 5	(Collecting Tobacco worms Arizona Mosquitoes)
"	July 26	4, 5, 6	(Insects)
1890	March 2	1, 2	(Pedernales River)
"	June 15	2, 3, ½ 4.	(Potter & V.)
"	August 9.	1, 2	(B. Canon)
"	September 8	(All of Journals)	(Halfpenny)
"	October 10	1.	(Colorado)

In Summaries of Plates of Photographs
83 views of 1 size. 11 views for T. Murray

854 photographs in the work.

May 26 1859 4½

July 26. 1859 4.5.6

Rev. Thos. Morong's Letter to W. Deane.

received at Cambridge.

Oct. 10-1888 - received Nov. 19, ackl'g mine dated, Aug 25-1888.

Dec. 28. " " Feb. 11, " " Sept. 28-1888

Mar. 8-1889 " Apr. 26. " " Dec. 23. 88

says that he hears 4 from me, so either my Letter of Oct. 21 or Nov. 23 never reached him. Probably one of his Letters between Dec. 28 & Mar. 8 miscarried.

A

Apr. 5 & 12 (one Letter) received May 27. ackl'g mine dated Feb. 1-1889.

Apr. 20 - " " June 8 - " " " Mar. 3-1889.

May 26. " " July 10 at Jaffrey N.H. " " Apr. 3-1889
He reached Camb. Mass. July 9.

July 1 " " Aug. 19 at Jaffrey N.H. " " May 5-1889.
He reached Camb. Mass. Aug. 18 -

July 26 " " Aug. 31 at Jaffrey N.H. - " " May 24-1889.
He reached Camb. Mass. Aug 31. - " "

Aug. 1 " " Sept. 14 " " June 9-1889

Oct. 5 " " Nov. 15 " " July 13-1889.

Nov. 1 " " Dec. 12 " " Sept. 15-1889.

9 in the Nov 1 letter he says that not [illegible] Oct 5 he has got [illegible] at Jaffrey so that [illegible] Aug 22.

Thos. Morey's Letters to Walter Deane -

Nov. 19 received Jan. 2-1890, acknowledging mine dated ——

Nov. 29 " Jan. 6. ——

Dec. 21 " Feb. 18 - " " Oct. 19-1889.

Jan. 6-1890 - Feb. 19 - " " Nov. 17-1889.

Mar. 2 " " Apr. 23. ——

[illegible] " Feb 25 [illegible] ——

[illegible] to the case of Dec. 25, as was the case when not answered.

July 25 " " Sept. 9 at Cambridge (Mass) & Jaffrey N.H. He again mentions my letter of Apr. 23.

Aug. 9 " " Sept. 17 at Cambridge (Mass) & Jaffrey N.H.

Sept. 8 . Oct. 14 acknowledging mine of Mar. 25 - May 30 - June 29. 1890.
Sept. 30 & Oct. 10 (in one envelope) recd Nov. 14 acknowledging mine of July 25 & 27
Oct. 17 recd Nov. 25 ; Nov. 25 - ~~undated~~ Telegram from N.H. dated Aug. 26-1890
Nov. 25.

W. Deane's Letters to Rev. Thos. Morong.

Aug. 25-1888-			
Sept. 28. "			
Oct. 21 "			
Nov. 23 "	acknowledging a letter from him dated,	Oct. 10. 1888	
Dec. 23 "			
Feb. 1. 1889			
Mar. 3 "	"	" "	Dec. 28-1888
Apr. 3 "			
May 5 "	"	" "	Mar. 8-1889
May 24 "			
June 9 "	" 2 letters	"	Apr. 5 & Apr. 20-1889.
July 13 "	"	" "	May 26-1889
Aug. 22 "	"	" "	July 1-1889
Sept. 15 "	" 2 letters	" "	July 26 & Aug. 1-1889.
Oct. 19 "			
Nov. 17 "	"	" "	Oct. 5-1889.
Dec. 25 "	"	"	Nov. 1-1889.
Feb. 2-1890	2 letters	"	Nov. 19 & Nov. 29-1889.
Mar. 2 "	"	" "	Dec. 21 & Jan. 6-1890.
Mar. 25 "			
Apr. 23 "	" a letter	"	Mar. 2-1890-
May 30 "			
June 29 "			
July 25 "			

July 2nd - 1890 acknowledging a letter from him dated June 18 - 1890.
Aug. 26 "
Nov. 14 - (to New Orleans) " " " July 25 - Aug. 9 - Sept 8th 30, Oct 10 "

Dr. Thos. Morong visited Boston & B. Comeau in July 1888, under the auspices of the Torrey Botanical Club. He wrote me constantly, all his letters are filed here —

"He reached Boston on the morning of Mon. July 16th 1888 and went directly to his [illegible] house at 755 Tremont St.

NEW YORK, Dec. 22 1890

Mr Walter Deane

Dear friend

Yours of Dec. 18 came to hand in due course of mail, & found me well, established & at work in my new position.

I find that in addition to my care as Curator of the Herbarium, I shall have to teach one or two botanical classes in Barnard College, the "girtillate" annex of Columbia. Also shall have full as much writing to attend to as I can find time for ~~to attend to~~ — among others Prof. Bailey writes me cordially to write for the American Garden, & I have agreed to it.

Just now, I have been staying all my

resources, mental & physical, in the effort to resist a prodigious cold which has attacked me in regular blizzard fashion, in throat, nose, vocal organs, upper part of the head & all through my limbs. Our delightful climate seems bound to make up for my escape from its attentions for the last two years.

I am coming to Boston next Wednesday & shall stay with my friends at 755 Tremont St. till the next Monday noon. Shall I see you in the interval? Be happy to do so if I can.

On Monday am to go up to Oakland & to talk to the people in the Evening about my trip to our Southern Continent.

I hope that Mrs Dean is as well as usual. Please give her my kind regards.

Very cordially yours

Thomas Morong.

NEW YORK, Jan'y 30 1894

Mr Walter Dean
Dear friend

I believe it is about an
usual time for correspondence, is it not?
My time is so well, or, rather, thor-
oughly occupied now that I am forced
to forgo many of my old occupations,
and among other things I find my-
self neglecting correspondence with old
friends. I have had it on my
mind repeatedly to tell you why the
box of letters of which I spoke to you
was not sent from Ashland as I prom-
ised. The fact is that it was so bit-
terly cold at the time I visited Ash-
land and superintended the removal
of my Herbarium that I could not

hunt among my things for the box of letters. I had 34 cans toted down out of a cold room and to nail up the doors, put cards on them all, & get them carted to the railway station, while the thermometer marked three degrees below zero. But no matter, I shall get at it in warm weather and redeem my promise.

Have been hard at work at various things. Have written two long articles for Bailey, one for the Bulletin, and another on Chrysanthemum for an Encyc. - besides teaching two classes at Barnard college weekly - with about 20 000 So. American species to identify, sort out and prepare for distribution. We have about finished the Atacama plants, and got the Central Paraguay plants sorted into Orders. The Rio Negro plants have only been taken out of the boxes so far. So you see my hands are pretty full. & I shall not die of idleness, if any body ever dies of that disease.

Kindest regards to Mrs Deane

Very Cordially yours

Thomas Morong.

New York, March 5 1891

My dear friend

I hope you will not omit the customary letter which I have been receiving from you monthly for the last 2½ years, under the idea that now I am at home & will not value your correspondence so much. Indeed, I feel as though I knew as little about Cambridge and botany there now as I did when in S. America. Do you perceive that your notes would be about as fresh as though I were still abroad.

We are going along here about as usual. My So. Am. collections are gradually getting into shape. We have distributed the Atacaman things, the completest set being some 165 species, only

one or two of them being new, but all of them (or nearly all) very rare. Many of the Paraguay plants will have to be sent for identification to Kew, whether Dr Britton will go in a couple of months.

I have recently had a letter from a correspondent in England, a botanist — Potamogetonist — who has been reading "Walden" by Thoreau, and wants to know if I can get him a specimen of Potamogeton from Walden pond, in memory of Thoreau. I believe that Thoreau makes mention of a Potamogeton found in Walden pond. Can you not, through Mrs Hoar, if not of yourself, contrive to gratify this lover of Thoreau & Potamogetons? If you can, please do so. — Mrs Britton has informed Mrs Deane about the submerged leaves of Juncus militaris, I believe, so that I need not again speak of them. I have often gathered them. With kind regards to Mrs Deane, I am very cordially yours

Thomas Meehan.

By the way, I am working on a special study of Haloragaceae. Have you any curious forms of Callitriche, Myriophyllum, Proserpinaca or Hippuris that need attention, or will be likely to aid my work? If so, please loan me the specimens for examination. Have you ever made a careful examination of C. verna & C. heterophylla, their differences, & their terrestrial forms; & can you tell me anything of their range in Mass.? I used to find both of them in Ashland, if I am not mistaken, but I am inclined to think that C. verna is more common northward, & C. heterophylla more common southward.

New York, March 18 1891

My dear Mr Deane

Accept my thanks for your pleasant little story of the N. England Orchids in the Am. Garden. Much of it reminds me of my own rambles in those haunts during past years, and makes me long to go over the same grounds again.

I wonder how you managed to get your article into the Garden. Two of mine have been waiting in vain for admission, one of them since Dec. last. Bailey was here a few days since, & he

told me that he had a year's stock of material on hand, & some of it he should probably never print.

The Magazine seems to improve in character. The first number of it which I read, seemed to be made up of foolish stuff written by half & half gardeners & farmers, & sentimental dairymaids & the like, but since that there has been a marked improvement. Probably Bailey has to accept a good deal of rubbishy material written by subscribers & which he cannot reject without giving offence.

Received your last two letters in due course of mail.

Please give kind regards to your wife and believe me as ever

Yours most cordially

Thomas Morong.

New York. April 29 1891

Dear Deane

I am expecting to come on to Boston next Saturday night. Shall be at the Herbarium in Cambridge all day on Monday, May 4. If not inconvenient, come round in the afternoon when you are at leisure.

Very cordially yours

Thomas Morong.

New York, May 7 189 1

Dear friend

Your note has both reached me, the first sent to 755 Fremont St. late Tuesday afternoon, and the other this morning at the Herbarium when I arrived here, having been sent on by Mr Watson.

I left Boston Wednesday morning as early as 7 o'c. A.M., as I had much to do in Ashland, so I have had no time to write you hitherto.

I was very sorry not to see you, but I had no doubt that you had good reason for not putting in an appearance at the Herbarium in

Cambridge. I staid there till nearly 6 o'c. P.M., hard at work on Halora=grae. I should then have run around to your house for a moment, but I supposed by not seeing or hearing from you that you would be absent, or that some member of your family might be sick. However, better luck next time.

At Ashland yesterday I found the box of botanical letters of which I spoke, & which you said you would like. Had it marked with your address, and ordered to be sent to Cambridge by express. Probably you will have to destroy the greater part of the letters, which please do after selecting what you want. They are of no use to me.

Very cordially yours

Thomas Morong.

New York, May 11 1891

My dear Mr Deane

Mrs Britton is so anxious to have a copy of that photograph which I sent to you from Asheville of my noble self, that I feel obliged to gratify her wish. I found on my recent visit to Boston that all the copies which you gave me had disappeared, either consumed by fire or given away. At all events they were not to be discovered; and the only way in which I can get one for Mrs B. is to have a new negative taken from your

picture, and a new ~~copy of~~ print struck off. Can you accomplish this for me? If you can, I shall be ever so much obliged. Let me know the cost of doing it, and I will send you the necessary sum. Of course, in case it can be done (as I suppose without doubt it can be) you will please send the picture to me & say nothing to Mrs B. — as I will surprise her with its appearance. Dr & Mrs B. leave for Europe about the middle of June, and I should like the photograph as soon as it can be made.

With kind regards to Mrs Deane,

I am very truly yours

Thomas Moran

Where do you go for an outing this season?

New York, May 15 1891

Dear friend

Yours of May 13th reached me yesterday. Many thanks for your response to my application for the portrait. I think now that it will be better for you to send it on to me & let me have the copy taken here, if you have no objection to lending it. I will return it to you as soon as it has been copied.

I don't suppose the work will be done any cheaper here than in Boston. But I should like to visit a photographer for another purpose,

and can manage the payment more easily than by sending small check to trouble you.

Glad you got the box of letters. Hope you have found in it something of interest.

With kind regards to Mrs O.

I am very truly yours.

Thomas Morong

Herbarium. Columbia College, June 19, 1891

My dear Mr Deane

Have you any specimens left of the Sagittaria named S. teres by Mr Watson in the new Manual? I wish to get some which show the "rare narrow blade" of which he speaks, and also to see the fruit, which our specimens do not exhibit. I see he quotes you as authority for it having been found at Hyannis, Mass., & so suppose you may have some of those specimens. If you can do so now then send me a few specimens of the seed. Please do that much.

We have had information from the Steamship Co. Anchor Line, that the Furnessia in which the Britons sailed a week ago last Saturday arrived at Glasgow on the 17th. As they were 11 days in going, they must have encountered bad weather. I am quietly about my usual work at the Herbarium, but find it somewhat lonely since my companions have left.

I suppose you have finished with your school, & planning yourself for a flight northwards. Or whither do you look, North, East or West? No doubt you

will depart next joyously from the cramped walls of the school room.

Should be glad to hear from you out of the wilds. Think majority of a trip into Canada about Aug. 20. Be back in 10 days or so.

With kind regards of Mrs Deane

I am very cordially yours.

Thomas Morang

COLUMBIA COLLEGE HERBARIUM

New York, Sept. 8 1891

Mr Walter Deane

Dear friend

I am just returned from a rambling trip of nearly three weeks through the French part of Canada. This will explain my lack of attention to your letter of Aug. 20 & 26. which came here during my absence.

I am glad to know that you are having such an enjoyable outing at Jaffrey. I hope it has done Mrs Deane as much good as yourself. Folks have all been away from here this summer. Britton & his wife have been at Kew & travelling on the continent all summer. They will probably return by Sept. 12 or 15.

B. has been, among other things, working up my Paraguay plants, many of which could not be determined without a visit to Kew. I imagine that he has had a pretty industrious time of it. & will be glad to get home again.

I had a pleasant trip through Canada by way of the Thousand Islands, the St Lawrence river, the rapids, Quebec, & thence to Lake Pemiscouata where I stopped a week, & down the St John river, to St. John, N. B. & by steamer to Boston. However, I should never have taken the cross cut from Lake P. to St. John had I known what sort of one-horse railroads & vexatious delays I should encounter. It has taken me a whole week, travelling (& stopping over night) all the while. I could have gone from N. York to San Francisco in the time which it has re-

COLUMBIA COLLEGE HERBARIUM

quired to go over this short distance. The people up there are as far behind the age as they are in Paraguay. I don't wonder that the more enterprising inhabitants of the Maritime Provinces are in favor of annexation to Uncle Sam's domain. I feel as much used up as I did in coming home from Chili. However, I have had a most instructive journey, and much of it thoroughly delightful. The St Lawrence river, in particular, is a charming stream, the scenery very pleasing & the rapids most exciting, while Quebec, very interesting in itself & historically, presents a magnificent view of the river & country from its esplanade & citadel.

~~New York~~ 189

There is nothing in particular going on here. Probably you have all the latest botanical publications, & know as much about them as I do. What

has turned up at the late meeting of the A.A.A.S in Washington I don't know yet. I presume you have by this had a copy of my revision of Halsted. Some changes in it have provoked a little criticism, but I think the most of it will stand fire. Anyhow, it was the result of careful deliberation, & I shall swear by it, if nobody else does.

Your photograph is all safe. & I shall return it after awhile.

I wish you would tell me if you ever received any pay for that article of yours in the Am. Garden or N. Eng. archaeol. I find it so hard to get pay for my articles in that magazine as it is & have a bottle extracted.

Hoping to hear from you after your return to Cambridge - & with kind regards to Mrs. S.

I am very cordially yours
Thomas Morong.

COLUMBIA COLLEGE HERBARIUM

New York Oct. 3 189/

Mr Walter Deane

Dear friend.

I had two letters from you during the summer, and judge from them that you had a most pleasant vacation. I trust that you return to Cambridge full of new health and vigor and well equipped for that winter's work which is upon you.

Will you do me a little favor? The Ashland people are expecting me to lecture for them in a popular course this winter, and I shall probably give them an illustrated lecture on "Paraguay — the Land and the People," for which I have had prepared about 75 lantern slides, largely taken from my own photographs. I should like to know

what it will cost one of the Boston photographers, or lecture bureaus, to send an operator, lantern & screen to Ashland at the time I lecture. Black, the photographer, used to send out such a person to accommodate lecturers when I was in that region, and there was another large house on Bromfield St. who did the same thing. $10.00 & expenses, I believe, was the price. It would need 2 cylinders of gas, of course, but if I am not mistaken, a regular company furnishes these at the price of $5 or $6. I should expect the operator to furnish all necessary illumination. With a little inquiry in Boston, I think you can find out who does such jobs and the cost. In case you find such a person, please give me his address so that I can write to him if necessary. If I come, I hope to do so not far from Thanksgiving time. — With kind regards to Mrs Deane, I am yours as ever most cordially

Thomas Morong.

COLUMBIA COLLEGE HERBARIUM

New York, Oct. 13 189 /

My dear Mr Deane

Your kind giving me all the information concerning lecture illumination of which I was in quest has been received. Many thanks for the pains which you have taken.

I have no doubt that you could easily attend the lecture which I expect to deliver in Ashland should you desire to do so, and return to Cambridge the same night. There is, or used to be, a train leaving Framingham at 10 P.M. It is an hour's ride from A. to F., and lectures in my days and often to get through in season to catch that train. Or you might stay at A. one night & reach Boston by 8½ or. the next morning. Should

that cannot be deemed preferable. Anyhow, if the lecture is ever delivered (as I presume it will be), I give you a cordial invitation to attend.

You are probably hard at work in your school, rushing every morning & evening to catch the horse cars, and regretting your free & easy rambles among the New Hampshire hills, with the joy of sleeping and breakfasting in the morning & going to bed with the lark or the owl as you chose.

We are going along here about as usual in term time. The Sophomores & Freshmen have had their cane rush, & Football, Boating, Base ball, Glee clubs &c are all the go among the College athletes & musicians. while the more studious are walking about with rounded brows & compressed lips as though they meant to capture the Literary world. We in the Hebdomian, somewhat old fogies now, are going through the regular hard drill. but with the satisfaction of knowing that we are turning out substantial work.

With Kind regards to Mrs Dean

I am yours as ever most cordially

Thomas Mooney.

New York, Oct. 19 1891

My dear Mr Brainerd,

Yours of the 17th inst. received this morning.

The specimen enclosed is Callitriche. In the absence of fruit, I take it to be C. heterophylla, Pursh. Both this sp. & C. verna, L. have this submerged linear-leaved form such as you send, & need fruit for distinction. As C. heterophy. is the most common about here and also in eastern Mass., the presumption is C. heterophy. till otherwise proved.

I can highly commend the specimens of Small. We have received a set here, & all seem to be prepared with great care, & correctly named. They

are worth having. None rare or new, however, but a good representation of the district from which they come.

Dr & Mrs Britton are home. They returned in good health & spirits.

I will see that a niche for receiving stray specimens is reserved for you among our theirs.

Hope to see you before long —

Kind regards of Mrs. Evans.

Cordially yours

Thomas Morong.

COLUMBIA COLLEGE HERBARIUM

New York Nov 30 1891

Mr Walter Deane

Dear friend

Yours of 29th inst. just received. — The Ashland people felt too poor to pay the expense of a lecture, as they say business is all down there, so of course it fell through. As my engagements for lectures of various kinds here are increasing, and my special botanical work is expecting, they are not likely to get such an offer again. The small country towns in N. England are very fond of getting lectures and preaching for little or nothing. I have done my share of gratuitous work in both directions, and don't propose to do any more of it, or, at least, for those who wish to use me as a cat's paw to pull their chestnuts out of the fire.

of the yes. I finally got my boy from the Ann. Garden folks, but only by asking Bailey to bring them up to it. I do not now write for the publication. as I do not like pulling teeth.

I have a very good boarding place near my lodgings.

I wish you would look at your specimens of Sagittaria teres, Watson, & let me know if you discover on any of the phyllodia the "narrow blades" of which Watson speaks in Manual, Ed. 6. Our specimens show no blades. Possibly they may appear in some of the Herbarium specimens at Cambridge. Then, too, are they always more or less reduced?

No, my So. Amer. adventures are not fading into a dream by any means, as I am hard at work writing them up, & they are very vividly remembered. How I wish in this dreadful cold weather I was in Paraguay again? Oh, the delicious sunshine and balmy air! I am in Arctic gratheer, made by Providence only for polar bears and walruses. I am sincerely glad to hear that Mrs D's health is improving so much. Give her my kind regards. Yrs. as ever — Thomas Morong.

New York, Jan. 6 1892

My dear Deane

Yours of the 4th has just reached me, and it gives great pleasure to hear of your welfare and that of Mrs D. It is not too late to wish you both many happy new years. We are all glad to know that Mr Watson is mending.

Did you forget to tell me about the supposed blade or leaf of Sag. teres? Mrs Britton has looked over the Cuban specimens at Cambridge for me, so that all I need to know is about your own.

Now I want another favor if you can render it. Please tell me what system of Latin pronunciation is used at your school, the Latin School in

Boston and at Cambridge. Is there not some handbook or concise grammar showing in what that pronunciation consists, used at these schools? I am told that is the "Roman", & I should much like to find out what the "Roman" pronunciation is. If there be any small handbook or anything else which explains it. I should be glad to know what it is, as I wish to get a copy.

Yes, the necessities of priority in the names of plants has sent E. officinalis adrift. But E. articulatum is really much more appropriate, as the scapes seldom have exactly 7 angles, while the roots are articulated.

With kind regards to Mrs D. I

am very truly yours

Thomas Moore.

Columbia College in the City of New York
DEPARTMENT OF BOTANY.

June 17 1892

My dear Dean

I do not know where you are pitching your tent this summer, but suppose that this letter will be forwarded to your address.

Just now I am deep in the study of Orchid structure, and am anxious to get fresh flowers of many of the species which it is exceedingly difficult to examine in the Herb. specimens. May I beg you to help me in this? If you run across either of the sp. of Habenaria given in the 6th Ed. of Er. Man., or of Orchis rotundifolia or Calypso borealis or Cypripedium arietinum

C. candidum, C. pulrscens or C. spectabile.

Will you not be kind enough to
put me up some of the flowers while
fresh, and forward them to me here?
I only want the flowers, and they
can be put in a small paper box
and sent by mail. with a few pieces
of paper or box mes slightly moist-
ened. No matter if they are crushed
a little - that will not hurt them for
my purposes. Only the flowers, recollect.
Hope you and Mrs S. are having
a good time where you are. We here
are suffering under 98° F. of heat.
and the poor horses in the street are
falling by the score. - Britton & his wife
are in Virginia, and I am alone. Hope
to go & see my folks about the 1st of July.
With kind regards to Mrs S.
I am very cordially yours
Thomas Morong.

flowers for the purpose abbaently, + I am trying them. I cut off the flowers from the spike, + place them with the part spread out between the leaves of a book, with only a light pressure on them. Suppose you try your hand at the matter. I know that you are very nice in such work. I need some 50 flowers of each kind. I don't know but the flowers of H. orbiculata would give good results, but have not tried them. I presume that the little flowers of such species as H. hyperborea, bracteata, obturata, could not be used to any advantage.

I was at Cambridge last week for a day. Saw Mr Robinson + did some work at the Herbarium. It was wintry-ly cold in Boston + Cambridge, better, in fact, than in New York.

Hope you are having a grand time among the Nuts, and that both you and Miss Jean are in good health + spirits.

Very truly yours
Thomas Morong.

New York, July 20 1892

My dear Dean

The two boxes with H. orbiculata & H. fimbriata have both come to hand. Many thanks for your kindness. It is just what I wanted. Tho' I should have liked 3 or 4 spikes of the fimbriata, as I am making an effort to press out the flowers of the larger flowered orchids so as to show the parts of the flower in the dried specimen - a most difficult thing to do. I wish, if possible, to get specimens so pressed that they can be tacked to a card board and shown to a class. In ordinary specimens the parts are so pressed together that no untangled eye can make them out. I have succeeded pretty well with Pogonia ophioglossoides and Calopogon pulchellus. H. fimbriata & H. psycodes & H. cucullata have proved

Columbia College in the City of New York
DEPARTMENT OF BOTANY.

Aug. 7 1892

My dear Mr Dean

Just received the specimens of Woodsia ilvensis - which I suppose are from you (possibly not, as there is no means of judging) —
Many thanks for your kindness. I have some specimens of Habenaria ciliaris for you. Mrs Britton tells me that you are in want of it. Had I known so before, I could have got you a plenty of nice specimens as there is one spot in N. Jersey not far from here where it grows abundantly. However, I can send you two or three fairly good ones. I went last week on a trip to Swartswood Lake, N. J. for Nelum-

primulaceum; the only spot around here where this fine flower grows. Found it in fine blossom. It makes a splendid show on the water. I tried to save some of the flowers for you, but after bringing them home in my care, they all dropped to pieces, & I could not obtain a specimen. They should be put in press immediately on gathering, a fact which I did not know at the time.

Hope you are greatly enjoying your outing.

Please give my regards to Mrs Deane.

Very truly yours

Thomas Morong.

Columbia College in the City of New York
DEPARTMENT OF BOTANY.

Aug. 9 1892

My dear Mr Deane

Your card of the 8th reached me this evening. I wrote you this morning in regard to Goodyera repens. I have received all you have sent I have no doubt. Perhaps I do not remember all, but I recall Habenaria fimbriata, H. albiflora & Spiranthes gracilis. as they were not in a condition (all except Goodyera) for pressing. I have not preserved the specimens, and therefore may not remember all the species, but I have been very glad to get them, and have examined everyone very carefully as they came. Not H. tridentata, of which you speak,

has not yet come to hand, but it will probably come along tomorrow.

I trust that you are not encountering such sweltering weather as we are now experiencing in New York. The streets fairly sizzle in the middle of the day, & all New York rushes for the Long Island Steamboats - that is, all the New York which has not made off for the seashore and the mountains. Our Hebanium is the only cool place that I find, and that is filled with coal dust and fearful noises from the neighboring railway.

Once more my best regards to Mrs Deane.

Very truly yours
Thomas Morong.

Columbia College in the City of New York
DEPARTMENT OF BOTANY.

August 23 1892

My dear Mr Drane

I have been absent about a week in attendance upon the meeting of A.A.A.S at Rochester. Upon return I find letter + card from you.

Dr + Mrs B. have not returned yet. + will not for a week or two, I suppose.

I have informed you of the receipt of specimens from you + expressed my hearty thanks for the same. A few questions from you need a reply. The photographs which you refer to all right, + will be returned in good time.

Yes. I propose to put my duplicate Naiadaceae in sets, as soon as I can get my monograph of the Order finished. The MS. was done long ago, but we are bothered next to death to get the drawings of the species and fruit enlargements done. I have waited now about 3 months for them, and don't know how much longer we shall be compelled to delay. The artist are an uncertain and tardy set. I regret as much as you for Gray died that I cannot draw myself.
For these sets I shall charge enough to cover expenses – not much, however, for a set. But I shall include besides the Potamogetons some of the species of Naias, if not other genera: and also many European species of Potamogeton for comparison with our N.A. forms.

Very cordially yours
Thomas Morong.

Columbia College in the City of New York
DEPARTMENT OF BOTANY.

Sept. 28 1892

My dear friend

I believe that I have neglected to thank you for the beautifully prepared specimens of H. fimbriata flowers that you sent to me a while since. also for the Spiranthes cernua previously received. Please understand that I consider myself greatly indebted to you for all the plants sent during the summer. They will all prove of use as specimens, as well as having served for special study.

I trust that both you and Mrs Dean have been greatly benefitted

by your summer's outing, and that you return to your school work with renewed strength & interest. I do not know just when I shall distribute my big collection of Naiadacea (mostly Potamogetons), as it will not be done till our drawings for the monograph are finished, and that work goes on slowly. Our artists seem to be sick or otherwise employed for more than half the time: but whenever the distribution is made, some advertisement of the set will be put in the Bulletin, and the distribution and monograph will go together.

Very cordially yours.

Thomas Morong.

755 Tremont St. Boston. Mass.

My dear Mrs Brace

I am in Boston for a few days - till next Sunday afternoon - and will, if agreeable to you, call upon you next Saturday afternoon. I take it that you are always at liberty on that day. Will it suit you to call at your house in Cambridge say on Saturday afternoon about 4 or 5 P.M. Hope Mrs B. is well. Please convey my regards to her.

Very cordially yours
Thomas Morong.

Dec 14. 1872

Columbia College in the City of New York
DEPARTMENT OF BOTANY.

Nov. 22 1892

Dear Mr Dean

Yours of the 20th received. Of the specimens enclosed, nos. 1 & 3 are, as you suppose, Elodea Canadensis. But No. 2 is Ceratophyllum demersum. This last turns up all over the world I believe, for I have seen it from all parts of the globe.

My poor wife about whom you inquire is no better, but rather grows worse. I am afraid that her mind has gone irrecoverably. She does not at all seem to recognize any of us, not at least from anything she says. She seems to be in a state of utter darkness, and is incapable of taking care of herself. How great an affliction it is, you may well imagine.

We are all as well as usual and by

busy as usual here. Indeed, work accumulates upon us more rapidly than we can dispose of it. Specimens pour in by the hundred both from abroad and from home, and our Hebarium is literally all cluttered up with piles of papers, boxes and miscellaneous articles. Everybody seems to crowd into the room at times — as many as 18 have been here at one time, and we fairly run over each other. If Columbia does not provide us with larger quarters soon we shall hardly be able to move around.

Please give my kind regards to Mrs Brace. I thought I had never seen her looking better than when I was last at your home.

Very cordially yours
Thomas Morong.

Columbia College in the City of New York
DEPARTMENT OF BOTANY

Jan. 12 1897

Dear Mr Deane

I send you by mail a small parcel of Botanogystes - the rarer ones which you may not have - among them R. mystinus. Being so rare, there cannot be much else but specimens but scraps, but there is enough in each one to illustrate the species.

I received your note and Christmas card in the room and thank you for the kind remembrance.

My wife appears about the same as when I last wrote you. Occasionally there are slight glimpses of reason, but for the most part an entire inability to know anything or person. Her bodily health seems to be good, only she needs the constant care of a nurse.

We are about the same as usual

Britton and I are hard at work on the publication of my Paraguay plants, and have managed to get somewhat more than half of it into the printers hands. It will probably make a pamphlet of 250 pages. Besides this my monograph of the Naiadaceae is on the stocks. The photoengraver is just now finishing the last half of the plates, and as soon as that is done, we shall rush into print. I shall feel as if a big load was lifted when I get that published. and yet the collection of materials and preparation for the work has been a labor of love for the last 15 years. I hope it may be of use to the world.

Please give my kind regards to Mrs C. and believe me

Yours most cordially

Thomas Meehan.

Columbia College in the City of New York
DEPARTMENT OF BOTANY

Jan 4 17 1893

My dear Mr Drane.

No fruit has ever been found on P. Mystinus. The immature fruit-spores in the Man. was hardly set, and only a guess made at the probable form should it have matured. Yours is as good as any I have.

P. het. var. longipedunculata is only under the specific name, a distinct form from any mentioned in the Man. I had named it var. elongata until I discovered that Meral had already named it longipedunc. as a sp.

P. nitidus is new to the Man. region, and indeed to the whole continent. It was discovered a few years since in Canada by Macoun, and sent to me by him as possibly. Since that it was found in Vermillion lake, Minn. by Bailey, as a specimen sent you states.

I wish I had more N.A. specimens, but so far the weeklies are too limited to get much of it. I have plenty of it from England and Northern Europe.

P. Fayoni is rare, will appear first in my monograph. No fruit has ever been found. My English friends and Polish magyotonists, Bennett & Fryer, think it a hybrid, but I never resort to hybridity to get rid of a difficulty. Besides I see no proof as yet that it is a hybrid, though certainly it shows intermediate characters between P. Loschitzi and P. rufescens.

In putting up parcels of my big Botanogeton collection for distribution, I often have Mrs Owen recalled to memory, as label after label marked Nantucket turns up. The best specimens of P. Oakesiana & P. fluitans that I have in fruit were gathered when I dredged the boats for her. You may have noticed one label of P. Nuttallii marked Nantucket, but you may not remember that you & I were together that day when it was gathered. I recollect it perfectly — the time & place — when we took our lunch under the shade of a small house on the bank side.

Cordially yours — Thomas Morong.

Columbia College in the City of New York
DEPARTMENT OF BOTANY

Jan. 26 1892

My dear Dean

I see that I must look sharply after my dates when I am collecting with you. I presume that I collected the plants at different dates, and that the numbers became mixed. The time you refer to, however, was the date of collecting your specimen, and you had better correct it on the label.

You want fruit of B. gemmiparus. It has now been found but once, and that scanty. I have the only spike of fruit known, collected by Jesup at Amherst, Mass. somewhere about 1875. If I ever get any more, I will remember your back.

Ruscus v. polyphyllus is scarce. Never occurs in fruit – only with propagating buds. My stock is nearly run out. You had better engage one of the

sets of Naiadaceae which I am now preparing for distribution, and which will be advertised in the next no. of the Bulletin. First sets will be the fullest, and first come first served. Only one set has been engaged already, and that because my intention happened to be privately known to one of our botanists in the vicinity of New York. I presume that there will be considerable demand for them when the advertisement appears. The list will, of course, not be complete, as I have seen no specimens of such rare things as P. Curtissii, P. latifolia (Cal=ifornia) &c. but nearly all the N. A. plants and a lot of European ones will be there, with some Naias and other Naiadaceae.

The price is only nominal — $5. for the fullest, probably comprising from 60 to 70 species and varieties. I know that you do not care for plants outside of the Nearctic range, or for European ones. Still, you can give or throw away what you do not desire, and still do better than trust to my mountain picking out of plants from the mail.

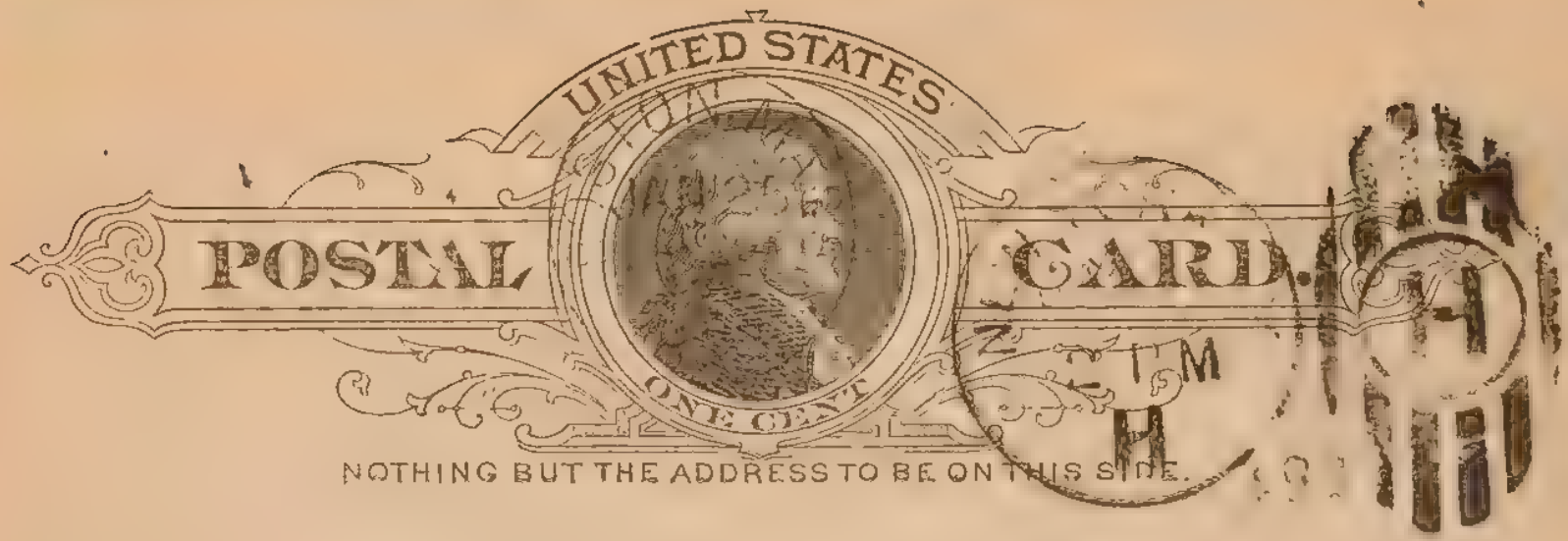
Regards to Mrs. D. Cordially — Thomas Morong.

Columbia College Jan. 24, 1893.

Application for Potamogetons all right.

Send set is yours.

Cordially. T. M.



Mr Walter Deane.

9 Brewster Place.

Cambridge.

Mass.

Columbia College in the City of New York
DEPARTMENT OF BOTANY

June 28 1893

Dear Mr Deane

Your postal of the 26th at hand. I don't know what expression in my letter referring to sets of Potamogeton I may have used, but you have entirely misunderstood. I have but one set which embraces all, and that will be sent to you as soon as ready. I am deep in the work now, trying to make the set as representative and complete as possible. W. W. Bailey and wife were here a week or two since, and I think that their child showed some symptoms of illness then. I am glad to know she is better. Bicycle is a hard bird to catch on his flying visits north. I have never yet met him, though have almost been within sight of him several times.

Regards to Mrs Deane

Very cordially —

Thomas Morong

Columbia College in the City of New York
DEPARTMENT OF BOTANY

Feb. 10 1893

My dear Mr Deane

I send by express today your set of Naiadaceae - the second in order. There somewhat over 100 sheets, including Europeans & N. Am. sp. and var. I have taken particular pains to cover your wants so far as these specimens go. What with these and the few sent you a while since of the rare forms, you have about all the N. A. Potamogetons available, better than any other collection probably in the country except my own now in Colomb. Coll. Herb. The species of this family, however, are so outrageously variable that even my own collection, extensive as it is, hardly gives a complete idea of the numerous forms. Even after a study of them for nearly 20 years, I am still sometimes puzzled to determine forms that turn up. But my sets are fairly representative, as much so as any could be.

I do not buy expressage, as you know and the $5.00 charged is merely nominal

by no means paying for the labor, time and expense incurred. My idea in putting the sets so low was to get the plants distributed among the botanists of the country. My forthcoming monograph will give all the necessary details of description and reasons for change of names.

I feel now as if my work on Naiads = ceae was complete, and that very little more can be added to the subject, by myself at least. — and it is very gratify = ing to think that the deed with of my old friend Robbins is at last carried out, and carried out for me completely than he had the means of doing in his lifetime. I merely succeeded him in the work, and owe much of the means of finishing it to the labors of himself and Pickerman. We build on the foundations of others.

Mrs M. remains about the same. My son writes that physically she is not so well as she used to be, but that he thinks her, if anything, slightly improved mentally. That does not mean much, however. We have no ~~idea~~ that she will ever regain her reason.

Kind regards to Mrs Deane.

Very cordially yours

Thomas Morong

March 1, 1893

My dear Deane

I was exceedingly amused over your family group tracing my course along the Rio de la Plata. It's a good way, surely, to get geographical information.

It's a pity that my pictures could not have accompanied the discription, as they illustrate nearly every point & incident described, and explain some things which appear obscure in the paper.

The waters of the Plata proper are full of muddy deposite & barren of vegetation as I say. I did not mean to be misunderstood that the whole river system was equally bare, small streams, rivulets, shores & all. Indeed, I say much, as you quote, to show otherwise. The shoaling up of the western tributaries below the Rio Paraguay, Corrupo &c. is in esteros, as they are called, great swamps, through which the rivers flow, & not in the free portions of the rivers. I did mean to be understood, however, that the botanists will be greatly disappointed who expects to make much of an aquatic

acquisition anywhere in the Plata system. I think I often wrote you how much I was disappointed. I did not find a Potamogeton or any other Naiad (except Ruppia) in all that region — nor a Chara. Practically but two Nymphaeaceae. — You must cut off some of the angles of my statements yourself. I could not always stop to qualify.

As to going over the whole ground myself, no, of course. However, I went part way up the Paraná after it separates from the Paraguay, and for a long distance above Asuncion on the Paraguay, tho' not so far as Cuyaba. I got my information very largely from those who had been over those points to which I did not go. My pictures of the great Falls of the Hundred Cataracts were made by an Asuncion photographer who gave me a graphic description of them & his ascent of the river. So. I met a dozen Americans & Englishmen who had been up the Paraguay repeatedly — to its head waters.

As to the specimen of "P. planitans" &c. of which you speak. Those specimens of British Planitans all came from Alfred Fryer, of Chatteris, England, & were obtained in the Fens of Cambridgeshire. Bennett sent me some of them, & Fryer still others, but they were all from the same place & collected by the same person.

I am glad that you enjoyed the plants, & find them of value.

Cordially yours

Thomas Morong

Columbia College in the City of New York
DEPARTMENT OF BOTANY

May 19 – 1893

Dear Deane

Yours of May 17 at hand. Thank you for all your kind expressions. I am glad that you enjoyed the Paraguay notes. It has been a long and hard piece of work to write the book, but we think that it has been done pretty promptly and thoroughly considering what a job such foreign collection, collation, determination and publication costs. Dr Kennedy made us a visit this last winter, and when I showed him what mention had been made of his name, and acknowledgments of his assistance, he was much pleased. It was but a small return for his kindness, but all I could give.

You have got a very complete set of N.A. Heterogeneous forms than anybody else in this country except the Herbarium of-

Columbiana, i.e. my own, for we are now identical. There wanting may turn up some day. No doubt an index of the numerous people would have been helpful, but I have given in the artificial table of Botanophilia on p. 12 a complete list of the members which, after a fashion, answers the purpose of an index. It would have been more useful in the Banquet paper. & perhaps should have been added.

You doubtless know that my poor wife has passed away. She never seemed to suffer any pain, and never removed her warm, tho' I think she recognized me before she died. She was well prepared to go, and we cannot sorrow over her departure. She is now at rest, and I believe, fondly visited dreams and enjoying the blessedness for which she always longed. She sleeps by the side of her father & mother in the cemetery at Woburn.

I shall ask you before long to make some more collections for me this summer. With kind regards & thanks &.

I am very cordially yours
Thomas Morong.

Columbia College in the City of New York
DEPARTMENT OF BOTANY

Aug. 5 1893

Dear friend Deane

I have your postal of yesterday, & am very glad to hear from you. I wrote to you before you left Cambridge, sometime in June. Possibly you did not receive the letter. In that I asked if you would be so kind as to prepare me some flowers of Hal. *psycoides* in the same manner as you prepared *H. fimbriata* for me last year. Perhaps it is too late to do that now, but if not, I should be glad to have you do it if you obtain any of the flowers. I want the corolla spread out so as to show the parts, with the ovary & the bract at its base. I do not care for the stems, as we have plenty of dried specimens. My class were very much delighted the flowers of *H. fimbriata* & *H. ciliaris* which I had upon strips of card board, prepared in this manner.

I meant to have got others this summer, such as *H. laevis*. — The Polygonias, Anthura &c, but have been so busy with other things that I have not been able to go out collecting the plants. Only *H. blakeana* (Scott's), which I wanted to compare with *H. ciliaris* growing under the same conditions. I have found some differences between the two which I had not seen before — principally in the lip. Have also found inter=

mediate forms which may be hybrids, & may account for the difficulty I have had in separating the species. As to color, the intermediate form is halfway between, a lemon color, & the lip is also intermediate as to the fringe. They grow side by side on Staten Island, & the oblipbanigfolia is about 3 days ahead. The extreme forms are unquestionably distinct as to size of flower, shape of lip & fringe, as well as color. In all other respects they seem to be the same.

I have not been away from New York yet, except a few days at the Biolog. Laboratory at Cold Spring Harbor, L. I., where I gave a few lectures, but next week I expect to go with Dr Allen, of this city, on a camping out expedition to Lake St. Clair, Michigan, where we shall probably spend from 2 to 3 weeks. Dr A. says that the lake is full of aquatics. If so, I shall have a grand time among the pond weeds & other water flora. Possibly I may get to Chicago so before returning. as an American must be no grander as very unpatriotic if he does not make shift to see the great show. However, I do not feel any mighty drawing that way. Having seen the Centennial at Phila, I presume that Chicago is much the same only on a grander scale.

Dr Britton sends kind regards, & encloses receipt for payment of Memoirs. I have your picture of my ugly phiz still, & shall send it back when I get ready & it which I have not yet done. Give my sincere regards to Mrs D.

Very cordially yours Thomas Morong.

NEW YORK ACADEMY OF SCIENCES
AT COLUMBIA COLLEGE,
49th Street and 4th Avenue, NEW YORK CITY.

New York, Oct. 28 1893

Dear Mrs Owen

Your letter of the 24th inst., with enclosed specimens, reached me in due course of mail, but I have been too busy to examine the plant hitherto. I think it is Eleocharis acicularis (L.) R. & S., as that plant behaves in the same manner as you describe this as doing. Both specimens are probably the same plant. We have it in our Hub. in the same fashion.

I have not visited Nantucket since I was there in 1887, but my recollections of that visit are so pleasant that I should be tempted to go again if I ever have the opportunity. I seldom get away from here even in vacation time, and my hands are full of work always, so that I stick closely to the Herbarium. It is not that I do not have a full experience of out-of-door life. My claims in botany require two field excursions a week from March to July, and our Torr. Bot. Club have excursions every week from May to November upon which I often go. So you see I am not likely to turn into a dry specimen of humanity. I did get away for a cabinet

this summer for three whole weeks, camping on the borders of Lake St Clair, Michigan, and fishing for bass-wood with my "all-combatting rake", as you call it. That ramble ended with an excursion to Chicago and a sight of the wonderful Exposition. I had a most delightful time with a share of canoe adventures.

As my health is always good and my time busily occupied, my 65 years sit lightly upon me, and I cannot say that I feel any older that I did 25 years ago.

It gives me great pleasure to hear from you, and I hope you will continue to keep my name upon the list of your correspondents.

Trusting that you are in equally good health with myself

I am very truly yours

Thomas Morong.

St. Luke's Hospital Jacksonville
Jan. 12. 1894

Dear Britton I can just make out to scrawl a few lines & tell you how I came here. The day you left I broke down with a combination of grip and cough. Two devils in one and 5 in the other, doing their best to rack my poor body all to pieces. I staid at the hotel trying to walk around, to sleep and to keep myself up, but soon came to the conclusion that I could not rest, eat, walk, sleep nor find the slightest relief from pain in any position up or down, and that I was either a dead man for the undertaker or a very sick one for the doctor. Quickly I thought of Mrs Dyer & the note of introduction you gave me. Mr D. was a trump. Took me up

at once - treated me as kind as if I had been his own brother. He first took me to see his own family physician, a Dr. [illegible], one of the best in town. After consulting together they said it was best I must not stay at the hotel - and get a private boarding house for me, sending round for my things. Then on further thought they advised coming to the Sanitarium of the Hospital - a really nice place where I can be as sick as I please and trouble nobody, and alone. I can get all the first class care & attention needed.

I think I am already better. Have none of the terribly severe pains from which I suffered at first - & the grip & cough both seem to be diminishing in evidence.

You won't expect much of a botanical report this time! But just wait till I get my strength back again if I can do. & you will learn to see whether I have lost my interest in Florida Botany & can do more generally.

Do write to me or send my mail. Fearing mine have been taking away something in my name. If so, please forward to care of Mrs Tyson. He will see that I get it.

I am too sick to have much love for anybody just now, but will lay up a lot for all the staff at the Herb. Especial regards for Mrs B.

St Lukes Hospital
Jacksonville
Fla Jan 23-'24

Dear Deane

Several letters from you have reached me lately expressing kindly sympathy for me in my illness. I came out with Dr. Britton and Small from Columbia on a little vacation trip at the Christmas holidays, expecting to be back in a month or so. I went to Stone Mountain? with Small and there found it very raw and cold, an old attack of cough returned upon me, which in the trip ripened and converted into a horrible torture. I managed to get out of Stone Mountain

slowly getting better but it will be weeks before I am fully restored.

Yours Very Cordially
Thomas Wilson
per A. C. Nurse

to Jacksonville thinking it would be better for me in a warmer climate. I stayed around at the hotels here in that condition for several days, grew worse all the time, I had got to go either to the Dr. or the undertaker so I thought I would try the Dr. first.

A good friend in the city aided me, they took Land I must go to a home and be quiet and lay up for a regular siege of sickness that led to my coming here where I have been nearly three weeks, recieving the best medical care and attention. Dr. Miller in charge thinks that I am

St Luke's Hospital, Jacksonville

Jan. 27 1894

Dear Kearney, received your last. much obliged. All perfectly satisfactory concerning room & storage of goods.

It seems hard to tell you just how I am. This much I may say - the doctors tell me to keep perfectly still & trust to time. Disease "acute bronchitis, aggravated by cold, exposure, wet & "old grip". It that word really means any thing.

The disease is apparently growing better - suffering less, but the weakness is appalling. I can hardly take off my clothes or do the most trivial thing. It is very hard for me to write even these few words.

They are trying every way to stimulate me & make me stronger. & the Dr thinks he can do it.

Please hand the Enclosed to Dr Britton.

Don't send me any N.Y. Daily papers as we have them here.

If I cant write, however, I can read, and letters from any of you will be very acceptable. Special regards to Mrs B. as well as to Dr B.

Mr T. F. Kearney.

Dr. T. Maroney.

Columbia College in the City of New York
DEPARTMENT OF BOTANY

Jan. 27 1894.

My Dear Mr. Deane:

I enclose a letter from Mr. A. H. Curtiss, which indicates what I have feared would be the next news from Dr. Morong. Let us hope that it is not as bad as it seems, but I have the gravest apprehensions.

Now I presume that Dr. Morong has been in communication with his son, but if this I am not sure and unfortunately I have not the latter's address in Boston. May I ask you then to forward Mr. Curtiss' letter and this one of mine to him? If it were possible some of us from here would go to Jacksonville, but I do not see how it can now be done. It appears to me that his son should take cognizance of the Doctor's condition.

Despite of my intimacy with Dr. Morong during the time he has been with us here I do not know that he has other relatives.

You will see naturally that this matter has depressed us all very much. It is evident that he is in good hands, but it is most sad and unfortunate that no immediate friend or relative is at hand.

Yours Faithfully
N. L. Britton.

Dear Sir — I called at the hospital yesterday & found Dr. M. appearing a little better, sitting out on the piazza in the hot sunshine with a blanket around him, & able to walk to his room without assistance, & not coughing much. But he says he is very weak and he seems to see no cause for encouragement. I will call on him again Monday or Tuesday & will try to see the doctor & will keep you advised as to his condition. Yours truly A. H. Curtiss

Orilla, Wis. Feb. 1st 94

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United States of America

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JACKSONVILLE FLA. FEB 1 7 PM

H
– 3-94
5-1P
N.Y.

Mr. N. L. Britton
Columbia College
New York City

Boston, Jan. 31, 94

Dear Mr. Deane,

I rec'd your letter with its enclosed letters. I was already aware of my father's illness & his confinement in a hospital, tho. I had not heard from him later than his letter of Jan. 19. Yesterday, I telegraphed to Dr. J. D. Miller, St. Luke's Hospital, Jacksonville & rec'd the following answer; "Your presence not necessary. Dr. doing well"

So I think we may feel somewhat relieved about him. I rec'd a letter this morning from Prof Britton in which he states that he has just heard from father by letter. Father writes that he has

acute bronchitis, but is not dangerous. The telegram of course is still later and official.

If I hear anything further I will let you know.

Thanking you for your kindness I am

Yours very truly,

A. B. Mording.

P. S.

I returned Mr. Curtis' letter to Prof. Bolton.

St Luke's Hospital. Jacksonville

Feb. 14. 1894.

Dear Bessie, I know that you will be better pleased with a note from my own hand, than any dictated letter — so I write directly.

Yes, I am actually getting stronger little by little everyday: but it is literally creeping back into life.

I sit + read (no decent books to read) + doze most of the time. Always get up in the morning + dress myself (thank God, I have always been able to do that) — On bright, sunshiny days, I have a — darkey boy wheel me out in one of the wheeled chairs of the Hospital, trundle me over the ~~wood~~ wooden side walks, for ½ a mile around the hospital — and again in the afternoon if weather allows. This helps me no little, I assure you.

So I am picking up bit by

Dil – beginning to get a relish for
poor food. What I crave is chicken
& broild meat, or something solid –
2 weeks ago all food was loathesome
to me, & I pushed it away. Now
I really get hungry. You know what
that means

You won't mind this blotch. I know.
I keep missing words, have to think new
ones times before I can spell them sometimes.

Don't expect daily or weekly bulletins from
Britten. His head is crowded with the
botanical work going on at the college,
& he won't know anything else, unless
it be a death, or something as bad.

Can't you or Mrs T send me some mag:
azines or novels & such? I am without
literature – even a botany, & I
despise them. Thanks for all your sympathy & kind-
ness. Much love to Mrs T.
Very cordially yours, Thomas Young.

755 Tremont St
Boston, Feb. 15, 94

Dear Mr. Dean

I have just recd a letter from father. He is sore stong & has inflamation of an exhausting cough. He writes up & down hill in a way which shows that he is feeble. He says he has no appetite. I have written to him suggesting some things. I think he would be glad to hear from you as he is lonely. Address St. Luke's Hospital, Jacksonville, Fla.
I judge he is gaining but he is not used to being sick & is somewhat impatient of confinement.

Yours in haste,
M. B. Meserve

St Luke's Hosp. 24 Feb.

No reason why you should not have come first hand but I
letter if you want them. got up this morning after good,
[illegible] & dressed myself at 9 a.m. (which I have nearly always done) –
Breakfast brought in in a small circular tray about
8. Mighty poor eating. I can tell you. I am beginning to
get a slight appetite – i.e. for beef-steak & chicken; but
nothing tastes like home food here.
as I can hardly walk around. I just sit, & yawn,
doze, read – & wait for my next dose of medicine –
Oh, the dreary part cannot be described. 7½ weeks
I have been here! it is beginning to tell on my purse,
as it costs £10 a week. and yet I cannot get away
(I have given you half a day's epistolary [illegible] more to come

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JACKSONVILLE, FLA. 6 PM 94 SEP

United States of America

THIS SIDE IS FOR ADDRESS ONLY.

Mr Walter Deane
5 Brewster Place
Cambridge. Mass.

From Dr Tuttle, Nancy

St Luke's Hosp.. Jacksonville, Fla. March 11 894

Rec'd. the 2 illustrated papers. Thanks.

Dear Dave

my days run pass, after getting up & breakfasting.. in reading sitting, dozing, dreaming, trying to write some, & otherwise to kill time. It is the dreariest life imaginable. Dinner is round like breakfast & by 7 P.M. I'm to be in bed. This is an days when I cannot go out of doors. The weather is persistently against me. been wet every day but one for the last 12 days. A swearing man would curse it up & down. On one day. Last monday my boy hauled me out in the wheeled chair. I took 3 photographs, & improved so much that if I could get every day like that, or even half, I should be walking by this time. As it is, I can't walk 100 yds alone.

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JACKSONVILLE, MAR 1 8 PM 7 AM

United States America

THIS SIDE IS FOR ADDRESS ONLY.

CAMBRIDGE MASS. MAR 5 4 AM 1894

Mr. Walter Deane
9 Brewster Place
Cambridge, Mass.

St. Luke's Hosp.
March 1. 1894

for 2 or 3 hours every morning and drink in the delicious ~~sunsh~~ life-restoring air and sun-light! as I say, I there ought to get well here, if it is possible to get restored anywhere.

Well, well. I have written you a long & tiresome invalid's letter. But your kindly, sympathetic missive has carried me beyond my bounds

You see how weak I am from my poor hand & miserable spelling.

If you choose, you may send this on to Deane, to whom I owe many friendly, sympathetic letters.

Dear old Nantucket! Shall I ever see the pondy island again!
You make me homesick when you begin to talk about it.

Shall be very glad to hear from you at any time.

Cordially yours
Thomas Nesmy

St Luke's Hospital, March 18. 1894

Dear Mrs Owen

I have your very kind, cheery letter of the 10th inst., and ~~thank~~ you for all your good wishes and predictions.

I am trying my best to get daily additions of strength, but the weakness is so great that every effort is a pain. Pain to dress - pain to get up or sit down, pain almost to breathe. Still I make every effort to walk and exert my body in some form every day. Get up in the morning and dress myself & wash my face, however hard.

Go out of doors every day in a Rolling chair, and walk all I can while out. But don't seem to make much headway. I sometimes fear that I am destined to remain a cripple the rest of my life.

But this, you would say, is all nonsense. Others have recovered, why not you?

That is so surely, but I am 65 years old, which adds a good many pounds to the weight of the Dragged wife.

However, I am writing in no disconsolate mood, whatever my language. When I look back to my state of a month since, I can see that I have really made progress. The Grip was fairly awful for the 1st 3 or 4 weeks. I loathed food, and would not touch it: the cough racked me to pieces. Now I have a good appetite, & can eat almost anything: the cough has nearly disappeared or become quite gentle.

I work in the climate, the atmosphere and the surroundings. If one one could heal anyone of any disease, he ought to here. Day after day brilliant sunshine — that kind of sunshine which seems to enter and invigorate every pore of the body, not the flashing, overpowering light wh. Scorches one down like our July sun. In an unoccupied square near the hospital, quite a large piece of ground, is a dense thicket where a multitude of birds & herbaceous flowers have sprung up. In this are about a dozen large evergreen oaks, draped from top to bottom with long Spanish moss. The beautiful new Spring fox, yellow tinted as compared wh. those wh. have hung on all winter, have nearly all displaced the last year's dress. In these trees the birds love to congregate & sing their morning songs, — especially the mocking-bird, who is now in his glory. This bird is now pairing, and I can frequently see the ashy-colour female about her nest-building, while her mate mounts the topmost twig of the highest limb he can find, and pours forth all the songs he knows for an hour at a time. Whether he is really imitating the other birds of the forest or not, I cannot tell, as I am not musician enough to tell, but he certainly ranges over a vast scale in singing, and never seems to repeat himself.

Just imagine what a luxury it is to sit at ease in my chair under the shade of these oaks, "list" to the mocking bird"

St Luke's Hos. March 28. 1894

Dear Deane

We shall be glad to have done with March if he acts as he did yesterday + day before. Fierce, freezing winds, that make us all hug the fire. For the 1st time in 6 years, there has been frost in the [illegible] parts of Florida. Probably done great damage.

I had, of course, to stay in doors, much to my regret. But hope to be out to morrow again. Shall probably, from present appearances, have to stay in the hosp. thro' month of ~~May~~ April. I mean but as the mail creeps. not so fast. Cordially. T. M.

POSTAL CARD ONE CENT.

United States America

THIS SIDE IS FOR ADDRESS ONLY.

Mr Walter Deane

9 Brewster Place

Cambridge

Mass.

Tell me what novels you have sent, as I cannot remember them. You put no mark on them. I miss Briton sent a good many

St Luke's Hospital Ap. 2. 1894

Nothing to write except that I am glad we have got into April which brings me one month nearer home.

My plan at present is to leave the Hosp. for a boarding house the last week in this month, and take the cars for my sons home in Boston. May 1. I can never get strong and well here, that is certain. Every puff of weather brings me down at once. That last snap of cold weather nearly used me up, and left me as weak as ever. However, when the time comes, I shall be able to take the cars. If I am lifted on board, Better so by cars than by ship, I am advised.

Cordially yours. Thomas Moore

c.o. Battle hospital

You can direct Late of letters by what I say. Send me nothing after Ap. 15,

11

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~~[H. Locke]~~

Mrs Walter Deane

9 Brewster Place

Cambridge. Mass.

755 Tremont St, Boston, Mass.

Arrived here Saturday morning in a Snow storm.

Glad to see you whenever you choose to come.

T. M.

Care of Dr A. B. Brooks

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No 9 Brewster Place. Cambridge. Mass.

To Mr Walter Leaue — Thin.